

Statistics for Assessment of Occupational Exposures and Health Outcomes

Radisson Blu Scandinavia Hotel, Oslo, Norway
29.11. – 1.12.2022

Tuesday 29.11.2022

9.00 – 9.30	Course registration	
9.30 – 9.45	NIVA welcome and general information	Morten Jakobsen, NIVA
9.45 – 10.00	Introduction to the course	Anne Straumfors, STAMI
10.00 – 10.45	Statistical aspects of occupational exposures (exposure routes, metrics (8-h TWA, peaks, etc.), lognormal model, exposure variability, temporal trends)	Hans Kromhout, Utrecht University
10.45 – 11.15	<i>Coffee break</i>	
11.15 – 12.00	Study designs and planning	Anne-Kristin M. Fell, University Hospital of Telemark
12.00 – 13.00	<i>Lunch</i>	
13.00 – 13.45	Basic theory of mixed models	Øivind Skare, STAMI
13.45 – 14.30	Determinants of exposure and assessment methods Mixed models to elucidate random and fixed factors of occupational exposures	Susan Peters, Utrecht University
14.30 – 15.00	<i>Coffee break</i>	
15.00 – 16.30	Group work I/ discussion	
18.00 –	<i>Dinner at the hotel</i>	

Wednesday, 30.11.2022

9.00 – 9.45	Exposure assessment methods Job-exposure-matrices, job-specific questionnaires and (expert-based) decision rules and algorithms, individual measurements	Susan Peters , Utrecht University
9.45 – 10.30	Exposure assignment (individual- versus group-based approaches)	Hans Kromhout , Utrecht University
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.45	Exposure assessment in different epidemiological designs for various outcomes (time windows and study designs & repeated measurements in exposure and outcome)	Alex Burdorf , Erasmus MC, University Medical Centre, Rotterdam
11.45 – 12.30	Sleep and pain measurements in occupational health	Dagfinn Matre , STAMI
12.30 – 13.30	<i>Lunch</i>	
13.30 – 14.15	Statistical methods with repeated measurements for exposure-response associations (GEE models, adjustment for baseline health parameters)	Alex Burdorf , Erasmus MC, University Medical Centre, Rotterdam
14.15 – 15.30	Group work II / discussion/ <i>Coffee break</i>	
16.30 –	<i>Social program and dinner</i> <i>16.25: Meet in the hotel lobby</i> <i>16.30: Guided walking tour of Oslo by night</i> <i>18.00: Dinner at Arts Restaurant (Filipstad Brygge 2, 0252 Oslo)</i>	

Thursday, 1.12.2022

9.00–9.45	Associations between exposures and health outcomes – does the quality of exposure assignment matter?	Vivi Schlünssen, Århus University
9.45–10.30	The OSH barometer – a statistical visualisation tool for major OSH indicators	Lothar Lieck, EU-OSHA, Bilbao
10.30–11.30	Group work III/ discussion/ <i>Coffee break</i>	
11.30–12.15	Future perspectives	All (Panel discussion)
12.15–12.30	Closing of the course	
12.30–13.30	<i>Lunch and farewell</i>	