

Statistics for Assessment of Occupational Exposures and Health Outcomes

Scandic Solli, 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
9.45-10.30	Introductions Scope and purpose of the course Learning objectives	Anne Straumfors, STAMI
10.30-11.15	Statistical aspects of occupational exposures (exposure routes, metrics (8-h TWA, peaks, etc.), lognormal model, exposure variability, temporal trends)	Hans Kromhout, Utrecht University
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/ Coffee break	
16.00–	<i>Social program and dinner</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/ Coffee break	
11.30–12.15	Future perspectives	All (Panel discussion)
12.15–12.30	<i>Closing of the course</i>	
12.30–13.30	<i>Lunch and farewell</i>	