Epidemiological methods for studying the determinants of health 2023
7.5 credits, May 2nd – June 2nd
*Mandatory. If you are unable to attend you need to inform the teacher and do a complementary assignment.

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Course week 1	Monday 1/5	Tuesday 2/5	Wednesday 3/5	Thursday 4/5	Friday 5/5
09:00 – 12:00	*Public holiday*	**10:00-11:00** ***Roll call and registration** Welcome and introduction of individual assignment with examples *All teachers* **11.00-12.00 Repetition of introductory epidemiology** *KM AM* *Room Atrium*	**Reading and preparing for afternoon seminar** ———————— **11:00-12:00** **Going through quiz 1, discussion of lecture, time for questions** *KM* *Room Atrium*	**Cohort studies lecture 2** **Pre-recorded lecture** Measure and classification of disease and exposure Bias and confounding	**9:00-9:45** **Going through quiz 2, discussion of lecture, time for questions** *KM, AM,* *Room Atrium* ———————— **10:00-12:00** ***Group work** Designing your own cohort study, group discussions *AM, SE, MD, KM, YS* *Rooms, see below*
12:00 – 13:00					
13:00 – 16:00	*Public holiday*	**Cohort studies lecture 1** **Pre-recorded lecture** Measures of disease occurrence, study base open and closed cohorts selection of study base, Induction time *KM*	***Group work** Discussion of article *AM, SE, MD, KM, YS* *Rooms:* *203* *204* *206* *207* *209* *213* *Atrium (15:00-16:00)*	**Time for reading and working with the individual assignment**	**KI 13:00-14:30** ***Group work** Continuation from morning session *AM, SE, MD, KM, YS* *Rooms:* *203* *204* *206* *207* *209* *213*

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Course week 2	Monday 8/5	Tuesday 9/5	Wednesday 10/5	Thursday 11/5	Friday 12/5
09:00 – 12:00	**Lecture. Sensitivity, specificity, predictive value** **Pre-recorded lecture** Effects of exposure classification, etiologic fraction, statistical power *MF* **11.15-12 Going through quiz 3, discussion of lecture, time for questions** *MF, KM* *Room: Atrium kl 11-12*	**Quantitative bias analysis Lecture and workshop** *AnM, JY* *Room: Atrium*	**Lecture intervention studies incl. Quiz 5** *ES* *Room: Atrium*	Time for reading and working with the individual assignment	Time for reading and working with the individual assignment
12:00 – 13:00					
13:00 – 16:00	**Cohort studies lecture 3** **Pre-recorded lecture** Causality DAGs, Mediation analysis	Time for reading and working with the individual assignment	**13:00-14:00 Going through quiz 4, discussion of lecture, time for questions** *KM, GT* *Room: Atrium*	***Group work** Designing your own cohort study continuation, group discussions. *KM, AM, SE, MD* *Rooms: 204, 206, 207 209, 213, 222*	Time for reading and working with the individual assignment At the latest 17.00, upload the first part of the individual assignment in Canvas

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Course week 3	Monday 15/5	Tuesday 16/5	Wednesday 17/5	Thursday 18/5	Friday 19/5
09:00 – 12:00	**Case control studies lecture 1** **Pre-recorded lecture** Definition, selection of controls (based on incidence, cumulative incidence), different types of controls, stratified selection, matching, effects of matching, Precision *GT*	**Reading and preparing for seminar** _____ **10:00-10.45** **Going through quiz 6, discussion of lecture, time for questions** *GT* *Room: Atrium* **11:00-11.45** **Going through quiz 7, discussion of lecture, time for questions** *GT* *Room: Atrium*	**Time to work with individual assignment part 2.**	*Public holiday*	**Cross-sectional studies lecture** **Pre-recorded lecture** Comparison with other study designs, analysis methods, reversed causality *HM*
12:00 – 13:00					
13:00 – 16:00	**Case control studies lecture 2** **Pre-recorded lecture** **Confounding, selection bias, misclassification of exposure, disease, and confounders** *GT*	***Group work** **Case-control studies** Discussion of scientific article. Application of dags *GT, EM* *Rooms:* *203* *204* *206* *207* *209* *213* *Atrium, (15:00-16:00)*	**Time for reading and working with the individual assignment** Teachers upload comments on individual assignments latest at 16:00.	*Public holiday*	**Time for reading and working with the individual assignment**

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Course week 4 Venue	Monday 22/5	Tuesday 23/5	Wednesday 24/5	Thursday 25/5	Friday 26/5
09:00 – 12:00	**09:00-09:45** **Going through quiz 8, discussion of lecture, time for questions** *HM* *Room: Atrium* **10:00-12:00** ***Group work** **Cross-sectional studies** Discussion of lecture + scientific article *HM, EM* *Rooms: 202, 205, 220, 222, 303, 307*	**09:00-09:45** **Going through quiz 9, discussion of lecture, time for questions** *AM* *Room: Atrium* **10:00-11:00** **Small group seminar discussing individual assignments, one specific bias** *KM, AM, SE, MD, GT, HM, EM,* *Rooms: Atrium, 202, 205, 222, 307 (some teachers will do digital seminar)*	***Group work** **Concept mapping** *AM, SE, MD, HM, EM, (GT)* *Rooms: 202 205 220 222 303 307*	**Time for reading and working with the individual assignment**	**Work with individual assignment** Upload preliminary version of final individual assignment, no later than 13.00.
12:00 – 13:00					
13:00 – 16:00	**13:00-14:00** ***Group work continued** *As above + Atrium (13-14)* ─────────────── **Stratified analysis Interaction and effect modification.** **Pre-recorded lecture**	**13:00-14:00** **Invited guest lecture** **The placebo effect, what does it do to our studies of treatment effects?** Karin Jensen *Room: Atrium*	**Time for reading and working with the individual assignment**	**Time for reading and working with the individual assignment**	**Prepare presentation and opposition**

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Course week 5	Monday 29/5	Tuesday 30/5	Wednesday 31/5	Thursday 1/6	Friday 2/6
09:00 – 12:00	***Individual assignment presentations** *KM, GT, AM, SE, MD, HM, EM* *Rooms:* *200* *201* *224*	***Individual assignment presentations** *KM, GT, AM, SE, MD, HM, EM* *Rooms:* *200* *201* *224*	**10:00-11:30 Teachers time** *KM, AM, HM, EM* *Room: Atrium*	**Time to read for exam and revise individual assignment**	**Exam 9-14** *Canvas* ***9-11.30 pass part*** ***12-14 distinction part***
12:00 – 13:00					
13:00 – 16:00	***Individual assignment presentations** *KM, GT, AM, SE, MD, HM, EM* *Rooms:* *200* *201* *224*	***Individual assignment presentations** *KM, GT, AM, SE, MD, HM, EM* *Rooms:* *200* *201* *224*	**Time to read for exam and revise individual assignment**	**Time to read for exam and revise individual assignment**	**Upload final individual assignment no later than 17.00.** Teachers read and either pass, or provide feedback at the latest June 20th

Rooms:	Group rooms:
Atrium and Petrén, Nobels väg 12A	202-307, Retzius väg 13 A/B

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