Course Timetable

All course content can be found on the course page on Moodle. Please see your welcome email for details on how to access Moodle. Pre-recorded videos will be made available on Moodle before each session. You may watch these pre-recorded videos either during the allotted time or when it suits your schedule. Note that all live sessions will be conducted using Zoom, and all practicals will be small group exercises in Zoom breakout rooms. **All times reported in British Summer Time (BST) are tentative and may change.**

Day	Topic	Time	Type	Title
Mon	Study design	930-945	Live	**0.1** Welcome to the course
		945-1045	Pre-recorded lecture	**1.1** Impactful pharmacoepidemiology studies from history
			Pre-recorded lecture	**1.2** Overview of study designs
			Pre-recorded lecture	**1.3** Measurements in pharmacoepidemiology
		1045-1115	Live	Welcome / Introduce **P1** Planning a study
		1115-1130	*Break*	
		1130-1215	Computer practical	**CP1** Reproducible codelist building
		1215-1245	*Break*	
	Real-world data sources	1245-1345	Pre-recorded lecture	**2.1** Overview of large healthcare databases
			Pre-recorded lecture	**2.2** A global tour of RWD sources
		1345-1415	Pre-recorded lecture	**2.3** Self-controlled designs
		1415-1500	Live Q&A	Q&A on pre-recorded lectures (on AM and PM lectures)
		1500-1515	*Break*	
		1515-1630	Computer practical	**CP2** Self-controlled case series
Tues	Confounding	930-1100	Pre-recorded lecture	**3.1** Sources of error in pharmacoepidemiological studies
			Pre-recorded lecture	**3.2** Methods of dealing with confounding
			Pre-recorded lecture	**3.3** Introduction to causal language and directed acyclic graphs
		1100-1130	Live Q&A	Q&A on pre-recorded lectures
		1130-1145	*Break*	
		1145-1300	Practical	**P2** Thinking through causal relationships
		1300-1330	*Break*	
	Propensity scores	1330-1430	Pre-recorded lecture	**4.1** Propensity scores
			Pre-recorded lecture	**4.2** High-dimensional propensity scores
			Pre-recorded lecture	**4.3** Propensity score example in COVID-19
		1430-1500	Live Q&A	Q&A on pre-recorded lectures
		1500-1515	*Break*	
		1515-1630	Computer practical	**CP3** Accounting for confounding
Wed	Bias	930-1015	Pre-recorded lecture	**5.1** Biases in pharmacoepidemiology
		1015-1045	Live Q&A	Q&A on pre-recorded lectures
		1045-1100	*Break*	
		1100-1245	Computer practical	**CP4** Misclassification and selection bias
		1245-1315	*Break*	
	Missing data	1315-1415	Pre-recorded lecture	**6.1** Dealing with missing data
		1415-1445	Live Q&A	Q&A on pre-recorded lectures
		1445-1500	*Break*	
		1500-1630	Computer practical	**CP5** Dealing with missing data

Real-World Evidence in Pharmacoepidemiology

17-21 October 2022

Day	Session	Time	Format	Topic
Thurs	QBA and Data-enabled trials	930-1045	Pre-recorded lecture	**7.1** Quantitative bias analysis
			Pre-recorded lecture	**7.2** Data-enabled trials
		1045-1115	Live Q&A	Q&A on pre-recorded lectures
		1115-1130	*Break*	
		1130-1245	Computer practical	**CP6** Quantitative bias analysis
		1245-1315	*Break*	
	Open science and TREs	1315-1445	Pre-recorded lecture	**8.1** Open science and reproducibility
			Pre-recorded lecture	**8.2** Trusted research environments (TREs)
			Pre-recorded lecture	**8.3** Tools for distributed network pharmacoepi studies
		1445-1515	Live Q&A	Q&A on pre-recorded lectures
		1515-1530	*Break*	
		1530-1630	Group work	**P1 (cont'd)** Planning a study (small group preparation)
Fri	Hot topics	930-1045	Pre-recorded lecture	**9.1** Vaccines and confounding
			Pre-recorded lecture	**9.2** Target/replicate trials
			Pre-recorded lecture	**9.3** Pharmacoepidemiology in the digital era
			Pre-recorded lecture	**9.4** Pharmacoequity
		1045-1115	Live Q&A	Q&A on pre-recorded lectures
		1115-1130	*Break*	
		1130-1300	Practical	**P3** Critique published studies with discordant results
		1300-1330	*Break*	
	Presentations and wrap-up	1330-1400	Group work	**P1 (cont'd)** Planning a study (small group preparation)
		1400-1415	*Break*	
		1415-1515	Group work	**P1 (cont'd)** Planning a study (small group presentations)
		1515-1530	Feedback	Feedback on the course
		1530-1600	Wrap-up	Open Q&A and discussion with course organisers

A feedback form will be circulated following the conclusion of the course; this needs to be completed before we can issue a certificate of attendance.