



JOIN US FOR A 3 - DAY ONLINE SUMMER COURSE

PROGNOSIS RESEARCH IN HEALTHCARE

Concepts, methods, and impact

9-11th JULY 2025

£645

This 3-day online summer school is designed to introduce the key components and uses of prognosis research to health professionals and researchers, including a framework of four different prognosis research questions: overall prognosis, prognostic factors, prognostic models, and stratified care.

The course will cover key principles of study design and methods, interpretation of statistical results about prognosis, the use of prognosis research evidence at multiple stages on the translational pathway toward improving patient outcome, the limitations of current prognosis research, and how the field can be improved. The course consists of lectures from a core faculty of epidemiologists, statisticians and clinical researchers, alongside group work and discussion sessions.

This course is supported by the National Institute for Health and Care Research (NIHR) Birmingham Biomedical Research Centre (BRC)

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THIS IS KEELE

Prognosis Research in Healthcare: Concepts, Methods & Impact

Summer School 2025

TIME-TABLE

Wednesday 9th to Friday 11th July 2025

GENERAL POINTS

- All lectures are pre-recorded
- The lectures cannot be downloaded but can be viewed on the platform. PDFs of the lecture slides will be available to course participants
- Practicals will be organised in subgroups, and supported by a facilitator
- Materials for practicals will be available to course participants on the platform ("Programme resources")
- Participants will be allocated to a subgroup in advance
- Solutions to Practicals will be made available on the actual day

PRE-COURSE OPTIONAL MATERIAL:

- Video: An introduction to PROGnosis RESearch Strategy (PROGRESS)"
- available to watch on youtube: <https://www.youtube.com/watch?v=PpaC6osklxw>

DAY 1: OVERALL PROGNOSIS RESEARCH AND PROGNOSTIC FACTOR RESEARCH

Wednesday 9th July 2025

On Day 1, we have allocated participants with the following tasks:

- Attend at 9am (or watch the pre-record of) the welcome and agenda for course, with an introduction to faculty
- Watch lecture 1 (pre-recorded) – “Overall prognosis research”
- Undertake group practical i – “Overall prognosis research”
- Watch lecture 2 – “Fundamental statistics for prognosis research”
- Watch lecture 3 – “Prognostic factor research”
- Undertake group practical ii – “Prognostic factor research”
- Attend open Q&As

Throughout the day, faculty will be available to answer questions as needed via chat, in addition to the live Q&A sessions.

For participants wanting to do the course ‘live’ between 09:00 to 17:00 (UK time), the following is the suggested time schedule for your day:

09:00 – 09:30	Live: Welcome and agenda for course (includes 4-5 slides on the PROGRESS framework); introduction to faculty and Reattendance platform; chance to ask Qs
09:30 – 10:15	Lecture 1 (pre-recorded*): Overall prognosis research
10:15 – 10:30	Live: Q&A post-lecture
10:30 – 10:45	Break
10:45 – 12:00	Live: Group practical i (facilitated subgroups): - Overall prognosis research
12:00 – 12:30	Lecture 2 (pre-recorded*): Fundamental statistics for prognosis research
12:30 – 12:45	Live: Q&A post-lecture
12:45 – 13:30	Lunch
13:30 – 14:30	Lecture 3 (pre-recorded*): Prognostic factor research
14:30 – 14:45	Live: Q&A post-lecture
14:45 – 15:00	Break
15:00 – 16:15	Live: Group practical ii (facilitated subgroups): - Prognostic factor research
16:15 – 16:30	Live: Open question & answer session with faculty
16:30 – 17:00	Live: Open faculty time with Richard & Danielle

* faculty available to answer questions as needed via chat

DAY 2: PROGNOSTIC MODEL RESEARCH

Thursday 10th July 2025

On Day 2, we have allocated participants with the following tasks:

- Watch lecture 4 – “Prognostic model research”
- Undertake group practical iii – “Prognostic model research”
- Watch lecture 5 pt 1 – “Lecture 5 Pt 1: Key statistical concepts for prognostic model research”
- Watch lecture 5 pt 2 – “Lecture 5 Pt 2: Key statistical concepts for prognostic model research”
- Undertake group practical iv – “Prognostic model research: Understanding statistical approaches and interpretation of performance measures”
- Attend live Q&As

Throughout the day, the faculty will be available to answer questions as needed via chat, in addition to the live Q&A sessions.

For participants wanting to do the course ‘live’ between 09:00 to 17:00 (UK time), the following is the suggested time schedule for your day:

09:00 – 10:00	Lecture 4 (pre-recorded*): Prognostic model research
10:00 – 10:15	Live: Q&A post-lecture
10:15 – 10:30	Break
10:30 – 11:45	Live: Group practical iii (facilitated subgroups): - Prognostic model research
11:45 – 12:45	Lecture 5 pt 1 (pre-recorded*): Key statistical concepts for prognostic model research
12:45 – 13:00	Live: Q&A post-lecture
13:00 – 13:45	Lunch
13:45 – 14:45	Lecture 5 pt 2 (pre-recorded*): Key statistical concepts for prognostic model research
14:45 – 15:00	Live: Q&A post-lecture
15:00 – 15:15	Break
15:15 – 16:30	Live: Group practical iv (facilitated subgroups): - Prognostic model research: Understanding statistical approaches and interpretation of performance measures
16:30 – 17:00	Live: Open question & answer session with faculty
17:00 – 17:30	Live: Open faculty time with Richard & Danielle

* faculty available to answer questions as needed via chat

DAY 3: PREDICTORS OF TREATMENT EFFECT AND STRATIFIED CARE RESEARCH

Friday 11th July 2025

On Day 3, we have allocated participants with the following tasks:

- Watch lecture 6 – “Stratified care research”
- Undertake group practical v – “Stratified care research”
- Undertake group practical vi – “Design a prognosis study”
- Watch lecture 7 – “Systematic reviews and meta-analyses of prognosis research”
- Attend live Q&As

Throughout the day, the faculty will be available to answer questions as needed via chat, in addition to the live Q&A sessions.

For participants wanting to do the course ‘live’ between 09:00 to 17:00 (UK time), the following is the suggested time schedule for the day:

09:00 – 09:30	Live: Open question and answer session with faculty
09:30 – 10:30	Lecture 6 (pre-recorded*): Stratified care research
10:30 – 10:45	Live: Q&A post-lecture
10:45 – 11:00	Break
11:00 – 12:15	Group practical v (facilitated subgroups): - Stratified care research
12:15 – 13:00	Lunch
13:00 – 13:15	Live: Introduction to Group practical 6
13:15 – 14:45	Live: Group practical vi (facilitated subgroups): - Design a prognosis study
14:45 – 15:00	Break
15:00 – 16:00	Live: Lecture 7: Systematic reviews and meta-analyses of prognosis research
16:00 – 16:15	Live: Q&A post-lecture
16:15 – 17:00	Live: Closing session and final Open question & answer session

* faculty available to answer questions as needed via chat