

Mt Hood Diabetes Challenge 2026

Padua, Italy | 2–4 October 2026

Conference Programme (Provisional)

Conference venue: Palazzo della Salute in Padua is Via San Francesco, 90, 35121 Padova PD, Italy.

Saturday 3 October 2026 — Day 1

Morning

08:30	Registration & Coffee	
09:00	Welcome & Overview	Chair: Prof Philip Clarke/ Enrico Longato Opening remarks — Mt Hood Network & Padua 2026
09:15	Challenge 1 — Reference Simulation Update	Chair: James Altunkaya (Oxford) Updated reference case results across participating models
10:45	Coffee Break	Refreshments provided
11:15	Abstract Session A (Parallel) Diabetes & Its Complications	Chair: TBC 1. Paterson, Luke — Decomposing treatment effects for T2D models (Oxford) 2. Smolen, Harry — Validation of Treatment Transition Model against real-world studies 3. Li, Xinyu — Integrating secular trends into diabetes HE modelling (Oxford)
11:15	Abstract Session B (Parallel) Applied Health Economics	Chair: TBC 1. Handels, Ron — IPECAD open-source model & cross-comparison workshop (Maastricht) 2. Sulola, Mubarak — Fasting blood glucose trajectories in 13 LMICs (Heidelberg) 3. Hille, Hanni — Cost-effectiveness of combination therapies in T2D nephropathy (Heilbronn)
12:15	Lunch	Refreshments provided

Afternoon

13:00	Challenge 2 — Comorbidity: Mild Cognitive Impairment & Dementia in Diabetes	Chair: Mike Willis Presenting models: ECHO-T2DM, UKPDS-OM2, Medical Decision Modeling / TTM, Th(is) ² Modeling / MRCDM, IHE-DCM Discussant: TBC
14:15	Abstract Session C (Parallel) Diabetes & Its Complications II	Chair: TBC 1. Lui, Juliana — CKD risk model in Chinese T2D patients on RASi (CUHK) 2. Li, Xinyu — Healthy participant effect in diabetes trials: SMRs over 44 years in UKPDS (Oxford)

		3. Clarke, Philip — Excess healthcare costs of T2D in Australia using linked admin data (Oxford/Melbourne)
14:15	Abstract Session D (Parallel) Cost-Effectiveness and Diabetes	Chair: TBC 1. Lamotte, Mark — At what age should obesity be treated? A MRCDM modelling exercise (Th(is) ² Modeling) 2. Yang, Miaoqing — Revisiting cost-effectiveness of tocilizumab (Leeds) 3. Altunkaya, James — Multi-model inference: model averaging for structural uncertainty (Oxford)
15:15	Refreshments	
15:45	Diabetes Health Economic Modelling in the Age of AI	Chair: Phil McEwan Invited session on emerging applications of artificial intelligence in health economic modelling
16:45	Mt Hood Transparency Prize	Presentation of the 2025 Mt Hood Transparency Prize
17:00	Business Meeting	Mt Hood Network business Chair: Philip Clarke
19:00 (TBC)	Conference Dinner — Caffè Pedrocchi	The oldest and most famous historical café in Padua www.caffepedrocchi.it — includes welcome drinks

Sunday 4 October 2026 — Day 2

Morning

08:30	Coffee & Welcome	
09:00	Plenary — Clinical Perspectives on the Economics of Diabetes	A clinical perspective on the economics of diabetes: what are the key questions for the 2030s and beyond? Chair: TBC Keynote: Dr Neda Laiteerapong MD MS, Professor of Medicine, University of Chicago Panel of clinicians: TBC This session brings together clinical and health economics perspectives on the most pressing unresolved questions in diabetes modelling and economic evaluation for the decade ahead.
10:00	History of Mt Hood Challenge	Phil McEwan
10:15	Refreshments	
10:45	Abstract Session E (Parallel) Health Services, Outcomes & Policy / Complications	Chair: TBC 1. Tan, Elise — Transition probabilities & cost per prediabetes remission, Taiwan (China Medical University)

		2. Huang, Qi — Dynamic ML model to identify treatment responders in T2D (Peking University) 3. Marcus, Maja — Trajectories in diabetes care: longitudinal cohort from China, England, South Africa, USA (Michigan)
10:45	Abstract Session F (Parallel) Quantitative Methods & Theoretical Developments	Chair: TBC 1. Alsaleh, Abdul Jabbar — Cost-effectiveness model for value of delayed T1D onset (Sanofi) 2. Giardina, John — Estimating incidence & mortality rates for multimorbidity models (Mass General) 3. Hedfi, Souhayel — Adherence variability and cost-effectiveness of eHealth chronic care models (Queensland)
11:45	Challenge 4 — Presymptomatic Screening in Type 1 Diabetes	Assess the long-term clinical and economic value of screening for early-stage type 1 diabetes versus no screening Chair: Sofie Persson (IHE) Participating models: IHE-ASM (IHE), Th(is)²Modeling / MRCDM Developed with RTI/IHE
12:30	Lunch	Refreshments provided

Afternoon

13:15	Organised Session — Synthetic Data for Diabetes Simulation (REDDIE)	Applications in trial, registry, and risk equation replication Presenters: Rogers, Gabriel; Lathe, James; Poletto, Sara (Manchester / Oxford / Padua)
13:15	Late-Breaking Abstract Session (Parallel)	Chair: TBC 1. TBC 2. TBC 3. TBC
14:15	Challenge 3 — REDDIE - Synthetic Data Challenge	Chair: TBC Participating models: Michigan, Canadian Diabetes Policy Model, Medical Decision Modelling / TTM, ECHO-T2DM, UKPDS-OM2, Abbott / DEDUCE Discussant: TBC
15:15	Wrap-up & Close	Chair: Philip Clarke Key findings across challenges — future directions for the Mt Hood Network
15:30	Farewell Coffee	Refreshments provided

Notes

- All session allocations are provisional and subject to change.
- Parallel session room assignments will be confirmed closer to the conference.
- www.mthooddiabeteschallenge.com | mthood2016@gmail.com