

Mount Hood Diabetes Challenge

23-25 June 2025, Chicago USA

Oral Presentation & Sessions (may be subject to change)

Abstract title	Preferred topic	Session	Presenter/s	Affiliation
Application of diabetes models in real-world (session 1)				
The impact on life expectancy of delaying or avoiding type 1 diabetes using the Metabo-Reno-Cardiovascular Disease Model	Diabetes & its complications	1	Ramos, Mafalda	Th(is)?Modeling
A health economic model for the Taiwanese population with type 2 diabetes: a focus on cardiovascular complications	Diabetes & its complications	1	Chong, Kah Suan	National Cheng Kung University, Taiwan
Cost-effectiveness and budget impact of screening strategies for childhood type 1 diabetes in the United States	Diabetes & its complications	1	McQueen, Robert	University of Colorado Anschutz Medical Campus
Long-Term Cost-Effectiveness of PCSK9 Inhibitors in Reducing Residual CVD Risk in Hong Kong Chinese Patients with T2D	Diabetes & its complications	1	Lui, Juliana Nga Man	The Chinese University of Hong Kong, Hong Kong
Application of diabetes models in real-world (session 2)				
Value-based pricing of newer drugs for health technology assessment and re-assessment: An example of diabetes in Taiwan	Health Services, Outcomes and Policy Research	3	Ou, Huang-tz	National Cheng Kung University, Tainan, Taiwan
Development of a semi-Markov cost-effectiveness model to analyze treatments for systemic lupus erythematosus	Applied health economics	3	Smolen, Harry	Medical Decision Modeling Inc.
Time-in-Range & CGM Metrics in Diabetes Cost-Effectiveness Modeling: Challenges and Opportunities for TIR-Centric Model	Applied health economics	3	Alshannaq, Hamza	Dexcom, , USA University of Cincinnati
Risk equation-based modeling analysis for the cost-effectiveness of Insultrate® for people with type 2 diabetes in Taiwan	Diabetes & its complications	3	Nguyen, Thi Thuy Dung Ou, Huang-Tz	National Cheng Kung University, Taiwan
Advancing Diabetes Modelling: Insights from Conventional and Innovative Approaches (session 1)				
Approaches for Simulating Cardiorenal Protective Effects in Economic Models of Type 2 Diabetes: A Systematic Review	Diabetes & its complications	2	Paterson, Luke	University of Oxford
Predictive performance of the PRIME T2D Model in populations from CVOTs: a systematic review and validation study	Diabetes & its complications	2	Valentine, William	Ossian Health Economics and Communications, Basel
A Systematic Review of Microsimulation Models in Cardiometabolic Disease: Model Calibration and Validation	Quantitative Methods and Theoretical Developments	2	Yang, Danwei	University of Chicago

Advancing Diabetes Modelling: Insights from Conventional and Innovative Approaches (session 2)

Life years, hospital admissions and costs over 40 years of follow-up of the UKPDS	Diabetes & its complications	4	Leal, Jose	University of Oxford
The UKPDS OM2.2 diabetes model in the update of the NICE guideline for the management of Type 2 diabetes in adults	Applied health economics	4	Hawkins, James	National Institute for Health and Care Excellence, UK
Testing Methods for Creating Synthetic Data for Health Economic Modelling in Diabetes using a Mt Hood Style Challenge	Applied health economics	4	Clarke, Philip	University of Oxford
A mathematical modelling framework to evaluate health economic impacts of food taxes on health and wider UK system	Applied health economics	4	Brennan, Alan	University of Sheffield

GLP1 on prevention of T2D

Long-Term Impact of GLP-1 Receptor Agonists on Diabetes Prevention in U.S. Adults with Overweight and Obesity	Applied health economics	5	Hwang, Jennifer	University of Chicago
Exploratory Cost-Effectiveness Study of Drug Therapy Added to Lifestyle Intervention in Prediabetes in Germany	Diabetes & its complications	5	Hille, Hanni	Hochschule Heilbronn, GECKO Institute
Examining the potential cost-effectiveness of GLP-1 agonists in prediabetes populations	Diabetes & its complications	5	Altunkaya, James	University of Oxford
The Impact of a Primary Care-Based National Lifestyle Intervention Program on Pre-Diabetes Patients	Health Services, Outcomes and Policy Research	5	Tan, Elise (Chia-Hui)	China Medical University (Taiwan)

Health inequality and T2D

Association between Type 2 diabetes and socio-economic, demographic and clinical factors using Qatar Bio-Bank database	Diabetes & its complications	6	Alam, Mohammed	Qatar University
Health Inequality and SGLT-2 inhibitors: Impact on T2DM	Health Services, Outcomes and Policy Research	6	Owen, Lesley	National Institute for Health and Care Excellence
Racial Differences in health status among Newly Diagnosed Type 2 Diabetes	Diabetes & its complications	6	Chen, Wen Hsin	University of Illinois at Chicago
A Scottish T2DM Policy Model for Predicting Life Expectancy & QALYs for Economic Evaluation & Addressing Health Inequities	Diabetes & its complications	6	Wei, Lili	University of Glasgow