

Mt Hood Diabetes Challenge 2026

Participating models, country, brief model description and challenge participation

Model / group	Country	Very brief model description	Contact	1. Reference	2. Dementia	3. Synthetic	4. Screening
Syreon Metabolic Model	Hungary / Middle East	Patient-level metabolic/diabetes simulation model used for long-term health-economic evaluation of diabetes interventions.	Attila Imre	Yes	-	Yes	-
Michigan Diabetes Modelling Group	USA	Diabetes simulation model developed at the University of Michigan for projecting long-term complications, survival and economic outcomes.	Wen Ye	-	Yes	Yes	-
Canadian Diabetes Policy Model	Canada	Canadian diabetes policy/economic model used to project long-term health outcomes and costs and evaluate diabetes interventions.	Baiju Shah	Yes	-	Yes	-
Th(is)2Modeling / MRCDM	Europe	Health-economic diabetes modelling platform used to simulate long-term complications, QALYs and costs for treatment evaluation.	Mafalda Ramos	Yes	Yes	-	Yes
Chinese Diabetes Outcome Model (CDOM)	Hong Kong / China	Diabetes outcomes model developed for Chinese populations to project complications, survival and health-economic outcomes.	Eric S.H. Lau	Yes	-	-	-
Abbott / DEDUCE	International	Diabetes economic simulation model used for long-term clinical and cost-effectiveness analyses; the team has experience applying it to Swedish registry data.	Mark Moses	-	-	Yes	-
Medical Decision Modeling / TTM	USA	Treatment Transitions Model for diabetes, designed to evaluate long-term clinical and economic consequences of alternative treatment pathways.	Harry J. Smolen	Yes	Yes	Yes	-
Insulet / EVERSANA - SCOTT2	USA / Canada	Patient-level T2D model integrating UKPDS and BRAVO risk engines; designed for treatment pathways and diabetes technologies including automated insulin delivery.	Joshua Weinstein	Yes	-	-	-
IHE Diabetes Cohort Model (IHE-DCM) / IHE-ASM*	Sweden	IHE-DCM is an annual-cycle cohort Markov model for T1D/T2D with multiple risk engines. IHE-ASM evaluates autoantibody screening and progression in T1D and other autoimmune diseases.	Sofie Persson	Yes	Yes	-	Yes*
ECHO-T2DM	Sweden	Stochastic patient-level T2D microsimulation with parallel complication states and selectable risk engines, including UKPDS, NDR, ADVANCE and CANVAS.	Michael Willis	Yes	Yes	Yes	-
UKPDS Outcomes Model 2 (UKPDS-OM2)	United Kingdom	Patient-level T2D simulation based on up to 30 years of UKPDS follow-up, predicting complications, mortality, life expectancy, QALYs and costs.	James Lathe / James Altunkaya	Yes	Yes	Yes	-

*IHE: Challenge 4 uses the IHE Autoantibody Screening Model (IHE-ASM); the other IHE entries refer to the IHE Diabetes Cohort Model (IHE-DCM).