

Mt Hood Diabetes Challenge 2026

Participating models and challenge participation (27 Aug 2026)

No.	Model / group	Country	Brief model description	Contact	1. Reference	2. Dementia	3. Synthetic	4. Screening
1	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	-
2	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	-
3	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	-	-	-
4	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	-
5	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*
6	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	-	-	-
7	IQVIA	International	Health-economic diabetes modelling group participating in the 2026 Reference Simulation Update.	Francesca Fiorentino / Simone Parisotto / Runguo Wu	Yes	-	-	-
8	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	-
9	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	-
10	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	-
11	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
12	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).