Economics Modelling and Diabetes: The Mount Hood 2012 Challenge

DRAFT
Conference Program

Johns Hopkins Mount Washington Conference Center
Baltimore, Maryland, USA.
7-8 June 2012

(Subject to change)

Economics, Modelling and Diabetes: The Mt Hood 2012 Challenge

Location
The symposium will be held at the Mt. Washington Conference Center
5801 Smith Avenue Baltimore, MD 21209; Phone: 410.735-7964

Registration
Registration will be from 8:30am onward on Thursday 7th June The conference will conclude at 3:15 Friday 8th June 2012.

Pre-conference Reception at Mount Washington.
Wednesday 6 June 6.00-7.00 pm. Transport into Baltimore will be available after the reception for those wanting to have dinner in the city. Dinner on 6 June is not included in the conference.

Accommodation
If you have not already reserved accommodation, you can still call the reservations desk at Mount Washington (800) 488-8734. If they have no more rooms available they will be able to advise on booking a room at the Radisson nearby. Quote 'Mount Hood' to be given the conference rate.

DRAFT PROGRAM
Economics, Modelling and Diabetes: Mount Hood 2012

Day 1	**Thursday 7th June 2012**		
8:30-9:00am	**REGISTRATION**		
9:00-9:10am	**Welcome – Prof Philip Clarke** **Location:** ***Pullen Plaza***		
9:10-11:00am	***Mt Hood Five: Validation Challenges*** Chair: Dr Elbert Huang, University of Chicago 7 Groups presenting a (very brief) overview of their model & interpretation of major validation results (15 minutes per model) 1. CORE Diabetes Model 2. IHE Model 3. UKPDS Outcomes Model 4. Cardiff Model 5. Reference Model 6. CDC-RTI Diabetes Cost-Effectiveness Model 7. MICADO: Modelling Integrated Care for Diabetes based on Observational **Location:** ***Pullen Plaza***		
11:00-11:30am	***Tea and Coffee***		
11:30am-12:30pm	***Discussion of Validation Results*** **Chair: Prof Louis W. Niessen** **Location:** ***Pullen Plaza***		
12:30-1:30 pm	***Lunch***		
1:30-3:00pm	**Conference session 1** 4 Abstracts (20 minutes each)	**Conference session 2** 4 Abstracts (20 Minutes each)	**Conference session 3** 4 Abstracts (20 Minutes each)
3:00-3:30pm	***Tea and Coffee***		
3:30-5:00pm	**Conference session 4** 4 Abstracts (20 minutes each)	**Conference session 5** 4 Abstracts (20 Minutes each)	**Conference session 6** 4 Abstracts (20 Minutes each)
5:00- 6:00pm	**Business meeting: Where to next with Mt Hood?** Chair: Prof Philip Clarke		
7:00pm onwards	**CONFERENCE DINNER** At the Mt Washington Conference Centre		

Mt Hood 2012 Challenge

Day 2	Friday 8th June 2012
9:00-11:00am	***How should we deal with uncertainty in diabetes models?*** Chair: **Prof Andrew Palmer** Overview of Mt Hood 5 Uncertainty Challenge results & discussion by participating modelling groups **Location:** ***Pullen Plaza***
11:00-11:30am	***Tea and Coffee Break***
11:30am-12:15noon	***What have the Mt Hood 5 challenges revealed*** Chair: Alison Hayes Further discussion of challenges & discussion of possible write-up of proceedings **Location:** ***Pullen Plaza***
12:15-1:15pm	***Lunch (close)***
1:15-2:15	***What can we learn from cancer simulation modelling?*** ***Chair: Alastair Gray*** ***Speakers:*** Prof Ruth Etzioni, Fred Hutchinson Cancer Research Center, Seattle, USA. Dr. Iris Lansdorp-Vogelaar, Department of Public Health, Erasmus University Medical Center, The Netherlands.
2:15-3pm	***General discussion***
3:00-3:15	***Wrap up***
CLOSE (Afternoon Coffee to finish)	

List of abstracts for conference sessions

SESSION 1

Presentation 1: *An improved model to estimate lifetime health outcomes of patients with Type 2 diabetes using long-term follow-up data from the United Kingdom Prospective Diabetes Study (UKPDS)*

Authors: Alison Hayes, Philip Clarke, Jose Leal, Maria Alva, Ruth Coleman, Alastair Gray and Rury Holman

Presentation 2: *The Importance of HbA1c Evolution in Cost-Effectiveness Modeling of Type 2 Diabetes Mellitus (T2DM)*

Authors: Michael Willis, Jianming He, Cheryl Neslusan, Pierre Johansen1

Presentation 3: *Correlating cost effectiveness output with patient level data input via the IMS Core Diabetes Model (CDM)*

Authors: Phil McEwan, Volker Foos, Adam Lloyd, James Palmer, Mark Lamotteand, David Grant

Presentation 4: *Development and Validation of a New Coronary Heart Disease Model for Type 2 Diabetes*

Authors: Wen Ye, Michael Brandle, Morton Brown, and William Herman

SESSION 2

Presentation 1 *Modelling the Effects of Gestational Diabetes Mellitus on Maternity Care and Costs in Ireland*

Authors: Paddy Gillespie, Ciaran O'Neill, John Cullinan, Fidelma Dunne, For the ALANTIC DIP Collaborators

Presentation 2: *The cost of diabetes complications in Belgium.*

Authors: Mark Lamotte, Pierre Chevalier, Volker Foos, Phil McEwan, Adam Lloyd, James Palmer, and David Grant

Presentation 3: *Inpatient costs for people with diabetes in England: An economic analysis*

Authors: Kerr M.

Presentation 4: *Estimating the costs of prescribed medicines attributable to people with diabetes in Scotland*

Authors: L Govan, O Wu, A Briggs, RS Lindsay on behalf of the Scottish Diabetes Research Network Epidemiology Group

SESSION 3

Presentation 1: *Screening and treatment change for patients with monogenic diabetes: a two-stage decision model*

Authors: Jaime L Peters, Rob Anderson, Chris Hyde

Presentation 2: *Modelling decision-making for therapy for type 2 diabetes using the Analytic Hierarchy Process (AHP)*

Authors: Nisa M. Maruthur, John F. P. Bridges, Susan M. Joy, Emily Little, Sonal Singh

Presentation 3: *Impact of Delaying Blood Pressure Control in Patients with Type 2 Diabetes: Results of a Decision Analysis*

Authors: Neda Laiteerapong, Priya M. John, David O. Meltzer, Elbert S. Huang,

Presentation 4: *Modeling the cost-effectiveness of diabetes genetic testing*

A**uthors** Priya M. John, Elbert S. Huang

SESSION 4

Presentation 1: *Development and validation of a cost-utility model for type 1 diabetes mellitus*

Authors: Wolowacz S, Pearson I, Roskell N, Shannon P, Chubb B, Gundgaard J, Davies M, Briggs A

Presentation 2: *Cost-effectiveness of renal screening strategies and treatment options for patients with type 1 diabetes in the United Kingdom*

Authors: Thomas Lung,

Presentation 3: *The cost-effectiveness of screening and treatment of gestational diabetes including prevention of Type-2 Diabetes Mellitus: Application of a new model in India and Israel*

Authors: Elliot Marseille, Nicolai Lohse, Aliya Jiwani, Moshe Hod , V. Sheshiah, C.V. Yajnik, G. AroraV, Balaji, Ole Henriksen, Nicky Lieberman, Rony Chen, Peter Damm, Boyd Metzger, James G. Kahn

Presentation 4*: : Inpatient and Outpatient resource utilization of type-2 diabetes patients*

Authors: Maria Alva , Alastair Gray PhD 1, Borislava Mihaylova DPhil 1, Rury R Holman FRCP

SESSION 5

Presentation 1*: Implications of non-normality in cost distributions for health economic modelling in type 2 diabetes mellitus (T2dm)*

Authors: Anna Teschemaker, Michael Willis, Chyi-Hung Hsu, Cheryl Neslusan, Jianming He

Presentation 2*: Adapting and validating diabetes simulation models across settings: Accounting for mortality differences using administrative data from Australia*

Authors: Alison Hayes, Wendy Davis, Timothy Davis, and Philip Clarke

Presentation 3*: Minimum run-time requirements to reduce Monte Carlo error in stochastic simulations*

Authors: Volker Foos, Phil McEwan, Adam Lloyd, James Palmer, Mark Lamotte and David Grant

Presentation 4: *Using computing power to aid chronic disease modeling*

Authors: Jacob Barhak

SESSION 6

Presentation 1: *Identifying the treatment preferences of patients with type 2 diabetes: A systematic review*

Authors: Susan M., Joy Sonal Singh, Nisa M. Maruthur, Emily Little, John F. P. Bridges

Presentation 2: *How to account for psychological determinants of treatment response in simulation models of behavioural interventions for diabetes*

Authors: J. Kruger and A. Brennan

Presentation 3: *Simulating Randomized Clinical Trials with the SimCare Patient Model*

Authors: Ryan M McCabe, Paul E Johnson, George Biltz, Patrick J O'Connor, JoAnn Sperl-Hillen, William A Rush, Autri Dutta, Mohamed Elidrisi, Georg Meyer

Presentation 4: *Expenditure variation in diabetes care in Danish general practice clinics*

Authors: Troels Kristensena, Kim Rose-Olsena, Camilla Sortsøa, Charlotte Ejerstedc, Anders Halling