

# **Economics, Modelling and Diabetes: The Mount Hood 2014 Challenge**

## **Conference Program**



**Hosted by the Center for Primary Care and Outcomes Research and  
the Center for Health Policy,**

**Stanford University,**

**Stanford, CA, USA.**

**17-19 June 2014**

**(Email contact: [mthood2014@gmail.com](mailto:mthood2014@gmail.com); OR  
[info@mthoooddiabeteschallenge.org](mailto:info@mthoooddiabeteschallenge.org))**

## **Overview**

This conference focuses on economic aspects of diabetes and its complications.

A major focal point of the conference will be a comparison of health economic diabetes models both in terms of their structure and performance. This conference builds on six previous diabetes simulation modelling conferences that have been held at Mt Hood in Oregon, USA in 1999.

A particular theme of the 2104 challenge will be how to generalise diabetes simulation models for different populations and over time. To what degree are existing models able to adjust for differences risk due to ethnic and socio-economic differences as well as any secular improvements in diabetes care?

The conference will also have open sessions on all aspects of the health economics of diabetes.

Following previous Mount Hood Challenges, the emphasis will be on comparing model projections to real world or clinical trial outcomes, and explanation and discussion of differences seen between each model and the real world results.

Abstract submissions are invited, with particular emphasis on the following themes

- (1) Modelling diabetes disease progression and its complications
- (2) Effect of diabetes on society – its impact on life and work
- (3) Economic approaches to measuring quality of life
- (4) Quantifying the cost of diabetes and its complications
- (5) Methodological aspects of diabetes modelling

### **Plenary Speaker: Dr Michael Engelgau**

Michael Engelgau is Director, US CDC China Country Office and US CDC China NCD Activities National Center for Global Health. He previously worked as Senior Public Health Specialist in South Asia Human Development unit at the World Bank. In his role at the CDC he led efforts to eliminate the preventable burden of diabetes through leadership, research programs, and policies that translate science into practice. Earlier in his career, he held a variety of

positions that included work in preventive medicine and field epidemiology. He is extensively published. After earning his BA and MS at Oregon State University, he obtained his MD at Oregon Health Science University. While at CDC he completed the 2 year Epidemic Intelligence Service training and a 2 year residence in Preventive Medicine during 1990-1993.

The provisional title for his talk is *Using evidence to tackle diabetes in developing countries: What is the role of simulation modelling?*

### **Bursaries**

A limited number of bursaries are available for early career health economic researchers. Please email [mthood2014@gmail.com](mailto:mthood2014@gmail.com) for further details.

### **Location**

Bechtel Conference Center, 616 Serra St., Stanford University (map and parking <http://bcc.stanford.edu/map-directions> )

### **Registration**

Registration for the optional workshop will be from 12:30pm onward on Tuesday 17<sup>th</sup> June.

Registration for the conference will be from 8:30am onward on Wednesday 18<sup>th</sup> June and conclude at 3:15pm Thursday 19<sup>th</sup> June 2014.

Registration for the conference will include lunches/refreshments and one conference dinner on the evening of 18<sup>th</sup> June.

### **Registration Fees**

Academic or Public Sector: \$650 / \$500 (if booked by Friday 14<sup>th</sup> March);  
Industry \$1000 / \$800 (if booked by Friday 14<sup>th</sup> March)

Optional ½ day workshop: Diabetes Simulation Modelling Master Class  
\$150 Normal; \$75 Student (Conference attendance is not required to attend the workshop).

**Bookings can be made at the Stanford website with link at <http://www.mthooddiabeteschallenge.org/>**

## **Accommodations**

**All hotels listed are within 2 miles of Stanford University.**

### **Sheraton Hotel**

625 El Camino Real  
Palo Alto, CA 94301  
(800)325-3535

### **Westin Hotel**

675 El Camino Real  
Palo Alto, CA 94301  
(650) 321-4422  
Please call for rates.

### **Garden Court Hotel**

520 Cowper St.  
Palo Alto, CA 94301  
(650)-322-9000  
Please call for rates.

### **Creekside Inn**

3400 El Camino Real  
Palo Alto, CA 94306  
650-493-2411  
Please call for rates.

## **Abstract Submission Requirements**

ALL ABSTRACTS ARE TO BE SUBMITTED via email [mthood2014@gmail.com](mailto:mthood2014@gmail.com)

SUBMISSION DEADLINE: Friday 28<sup>th</sup> March 2014

ALL ABSTRACT SUBMISSIONS AND PRESENTATIONS MUST BE IN ENGLISH.

Conference registration is required for all presenters. Note if the abstract is not accepted for presentation, participants that have registered can withdraw from the conference prior to end of April 2014 without financial penalty.

The presenters of research are required to disclose financial support. Abstract review will NOT be based on this information.

The research abstracts, EXCLUDING title and author information, should be no longer than 300 words.

The use of tables, graphs and figures in your research abstract submission are not allowed.

Generic names should be used for technologies (drugs, devices), not trade names.

Research that has been published at any national or international meeting prior to this Conference is discouraged.

MULTIPLE ABSTRACTS ON THE SAME STUDY ARE DISCOURAGED.

Abstracts will be reviewed by the steering committee and notification of acceptance or rejection will be made by 15<sup>th</sup> April 2014

## Challenge Sessions

To date the following groups have expressed an interest in participating in the challenge sessions;

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
8. Archimedes group

If other groups are interested in participating in either Type 1 or Type 2 diabetes simulation model challenge sessions they should email [philip.clarke@unimelb.edu.au](mailto:philip.clarke@unimelb.edu.au) asap.

**DRAFT PROGRAM**  
**Economics, Modelling and Diabetes:**  
**Mount Hood 2014 Challenge**  
**17 June 2014 1pm-5pm**  
(check-in begins at 12:30pm)

***Workshop: A Master Class in Diabetes Simulation Modelling***

This is an optional, pre-conference workshop  
\$150 Academic/Public Sector; \$75 Student  
(Conference attendance is not required to attend this workshop)

**Confirmed Speakers:**

Prof Philip Clarke, University of Melbourne: *Constructing diabetes model from individual level data: tips, tricks and traps.*

Dr Alison Hayes, University of Sydney: *UKPDS Outcome Model 2: What is underneath the hood!*

Prof Andrew Palmer, Menzies Institute for Medical Research: *Synthesizing evidence from the published literature: Making a model more than the sum of its parts?*

Dr Jose Leal: Oxford University: *Techniques for model validation*

**Details**

Workshop will commence at 1pm (check-in begins at 12:30pm) on Tuesday 17 June at Bechtel Conference Center, 616 Serra St., Stanford University

Lunch will not be provided for this workshop but can be obtained from several facilities nearby.

Coupa Café  
Graduate School of Business  
Knight Management Center

Arbuckle Dining Pavilion  
Graduate School of Business

Alumni Café  
326 Galvez St  
Stanford University

# Economics, Modelling and Diabetes: The Mount Hood 2014 Challenge

<b>Day 1</b>	<b>Wednesday 18th June 2014</b>
8:30-9:00am	<b>Check-in</b>
9:00-9:10am	<b>Welcome – Prof Philip Clarke</b> <b>Location: Encina Hall, Bechtel Conference Center</b>
9:10-11:00am	<b>Mt Hood 2014: Validation Challenges</b> <ul style="list-style-type: none"> <li>• Replication of the look AHEAD results</li> <li>• Predicting mortality following a range of events for people with Type 1 and Type 2 diabetes</li> </ul>
11:00-11:30am	<b>Tea and Coffee</b>
11:30am-12:30pm	<b>Discussion of Validation Results</b>
12:30-1:30 pm	<b>Lunch</b>
1:30-3:00pm	<b>Parallel Conference sessions</b>  4x20 minutes per presentation
3:00-3:30pm	<b>Tea and Coffee</b>
3:30-5:00pm	<b>Parallel Conference sessions</b>  4x20 minutes per presentation
5:00- 6:00pm	<b>Business meeting: Where to next with Mt Hood?</b> Chair: Prof Philip Clarke
7:00pm onwards	<b>CONFERENCE DINNER</b>



## ***Mt Hood 2014 Challenge***

<b>Day 2</b>	<b>Thursday 19<sup>th</sup> June 2014</b>
9:00-11:00am	<p><b><i>Generalising diabetes models across time and space</i></b></p> <ul style="list-style-type: none"> <li>• How much do models currently capture risk across different populations?</li> <li>• How do models account for changes over time?</li> </ul>
11:00-11:30am	<b><i>Tea and Coffee Break</i></b>
11:30am-12:15pm	<p><b><i>Plenary Session: Using evidence to tackle diabetes in developing countries: What is the role of simulation modelling?</i></b></p> <p>Speaker : Dr Michael Engelgau, Director, US CDC China Country Office and US CDC China NCD Activities National Center for Global Health.</p>
12:15-1:15pm	<b><i>Lunch</i></b>
1:15-2:15pm	<b><i>Special Session: Advances in Type 1 diabetes simulation modelling</i></b>
2:15-3pm	<p><b><i>What have we learned?</i></b></p> <p><b><i>General discussion</i></b></p>
3:00-3:15pm	<b><i>Wrap-up</i></b>
<b><i>CLOSE (Afternoon Coffee to finish)</i></b>	