

## Mount Hood Diabetes Challenge Network

The Mount Hood Diabetes Challenge Network has run a diabetes computer simulation modelling conference bi-annually since 1999. The most recent conference was held in October 2018 in Düsseldorf, Germany and was hosted by researchers from the German Diabetes Centre (Deutsches Diabetes-Zentrum).

The Mount Hood conference has a different format to traditional conferences in that a major focus are challenge sessions. These involve up to 15 developers of health economic diabetes models who run prespecified simulations and then compare and contrast their results. Researchers from HERC participated with the UKPDS Outcomes Model and the SHARP CKD-CVD Model.

This year the challenges focused on the ability of models to predict recent clinical studies such as EMPA-REG which tested the effectiveness of a new class of drugs for lowering blood glucose levels in type 2 diabetes, the sodium–glucose cotransporter 2 (SGLT2) inhibitor. Other challenges looked at the sensitivity of simulation models to assumptions regarding the impact diabetes has on quality of life, and a comparison of diabetes models with other chronic disease models that include people with diabetes.

**For more information:** <https://www.mthooddiabeteschallenge.com>



Nine researchers from HERC participated in the conference and gave several presentations over the three days.

The next bi-annual conference will be held after the American Diabetes Association meeting in June 2020 in Chicago, USA.

## Presentations at the 9<sup>th</sup> Mount Hood Challenge 2018

### **Philip Clarke**

*Growing old gracefully? The QALY at 50*

*The event rate and costs associated with major complications of diabetes in China: a comparative analysis*

### **José Leal**

*Pre-diabetes model using Chinese data*

*Challenge 2: UK PDS Outcomes Model*

### **Mi Jun Keng**

*Impact of variation in type 2 diabetes management on health outcomes and healthcare costs*

### **Joel Smith**

*Identifying those who benefit from treatment: an open challenge for diabetes economic models*

### **Iryna Schlackow**

*Challenge 3: SHARP CKD-CVD model*