



The 17<sup>th</sup> International Diabetes Epidemiology Symposium 2022

**Programme**

**Friday 2<sup>nd</sup> December 2022**

<b>16:00 - 16:30</b>	<b>IDEG Meeting Registration</b>
<b>18:00 - 19:00</b>	<b>Welcome Remarks</b>
<b>19:00</b>	<b>Welcome Social</b>

**Saturday 3<sup>rd</sup> December 2022**

<b>08:00 - 08:15</b>	<b>Opening remarks</b>	
<b>08:15 - 09:15</b>	<b>Changing populations</b> (chairs - <i>Ed Boyko and Dianna Magliano</i> )  The changing epidemiology of type 1 diabetes (30 mins)  How will changing incidence and mortality affect the course of type 2 diabetes? (30 mins)	<i>Graham Ogle</i>  <i>Jonathan Shaw</i>
<b>09:15 - 10:00</b>	<b>Oral abstracts session 1</b> (chairs - <i>Lauren Wedekind and Anthony Hanley</i> )  Type 1 diabetes incidence in Scotland between 2006 and 2019 (15 mins)  Construction of the municipal registry of people with diabetes in Port Alegre - Brazil from real world databases (15 mins)  Smoking and incidence of type 1 diabetes in adults: A nationwide Swedish study (15 mins)	<i>Sarah Wild</i>  <i>Rafael Dal Moro</i>  <i>Sofia Carlsson</i>
<b>10:00 - 10:30</b>	<b>Morning tea</b>	
<b>10:30 - 11:00</b>	<b>Oral abstracts session 2</b> (chairs - <i>Maria Ines Schmidt and Bruce Duncan</i> )  10-year trend in socio-economic inequalities in the prevalence and incidence of pharmacologically treated type 2 diabetes in France - 2010-2020 (15 min)  Prevalence of diabetes and associated complications in rural South India using telemedicine technology: the trend project (15 mins)	<i>Marie Guion</i>  <i>Rajendra Pradeepa</i>

<b>11:00 - 12:00</b>	<p><b>Oral abstracts session 3</b> (chairs - <i>Daniel Witte and Peter Bennett</i>)</p> <p>Optimizing strategies to identify high risk of developing type 2 diabetes (15 mins)</p> <p>Interaction between tobacco use and genetic susceptibility to type 2 diabetes, insulin resistance and insulin secretion in the risk of LADA and type 2 diabetes (15 mins)</p> <p>Enhanced prediction of abnormal glucose tolerance (15 mins)</p> <p>Type 2 diabetes risk factor trajectories and their correlations among Finnish people with impaired glucose tolerance: a parallel processes latent growth curve model (15 mins)</p>	<p><i>Paula Bracco</i></p> <p><i>Jessica Edstorp</i></p> <p><i>Jie He</i></p> <p><i>Mikko Valtanen</i></p>
<b>12:00 - 13:00</b>	<b>Lunch</b>	
<b>13:00 - 13:45</b>	<p><b>Mini oral and Poster presentations</b> (chairs - <i>Paula Bracco and David Simmons</i>)</p> <p>The diabetes care cascade in 2019-21: A nationally representative study of 1.9 million adults in India (5 mins)</p> <p>Identifying gaps in real world management of diabetes in Nigeria: a subset analysis of cross-sectional wave-7 data from the international diabetes management practices study (5 mins)</p> <p>Suboptimal blood pressure in adolescents and young adults with type 1 diabetes: data from the Australasian Diabetes data Network (5 mins)</p> <p>Low-density lipoprotein cholesterol control in adolescents and young adults with type 1 diabetes: data from the Australasian Diabetes data Network (5 mins)</p> <p>Early health economic analysis of outpatient prevention strategies to avoid late complications in diabetes mellitus (5 mins)</p> <p>Movement behaviors: compositional isotemporal substitution associates with fatty liver in adults with diabetes from the ELSA Brazil study (5 mins)</p> <p>Vitamin D insufficiency, excessive weight gain and insulin resistance during pregnancy (5 mins)</p> <p>Health burden attributable to diabetes among women with gestational diabetes mellitus: a retrospective analysis of the Hong Kong diabetes surveillance database (5 mins)</p>	<p><i>Jithin Varhese</i></p> <p><i>Babatope Kolawole</i></p> <p><i>Steven James</i></p> <p><i>Steven James</i></p> <p><i>Min Fan</i></p> <p><i>Danilo de Paula</i></p> <p><i>Caroline Rodrigues</i></p> <p><i>Xinge Zhang</i></p>

	<p>Cancer and Covid-19. Adverse outcomes in patients with and without diabetes: data from five health systems in Pennsylvania Maryland, USA (5 mins)</p> <p>Web survey for diabetes self-care and resilience in the context of COVID-19 pandemic in Brazil (5 mins)</p>	<p><i>Jessica Yeh</i></p> <p><i>Laercio Franco</i></p>
<b>13:45 - 14:45</b>	<p><b>New methods for studying diabetes epidemiology</b> (chair – <i>Jonathan Shaw</i>)</p> <p>Lessons and applications of ‘omics’ research in diabetes epidemiology (30 mins)</p> <p>Big data/machine learning/artificial intelligence for studying diabetes epidemiology (30 mins)</p>	<p><i>Ron Ma</i></p> <p><i>Ranjit Mohan Anjana</i></p>
<b>14:45 - 15:15</b>	<b>Afternoon Tea</b>	
<b>15:15 - 16:45</b>	<p><b>Oral abstracts session 4</b> (chairs – <i>Steven James and Dianna Magliano</i>)</p> <p>Ultra-processed food consumption and type 2 diabetes incidence in Elsa-Brasil (15 mins)</p> <p>Fatty liver disease predicts increased risk of type 2 diabetes in middle-aged and older adults - the Elsa-Brasil cohort risk (15 min)</p> <p>23-year follow-up of the Finnish diabetes prevention study (DPS): efficacy of lifestyle intervention in people with high diabetes risk (15 mins)</p> <p>Outcomes from rewind (reducing weight with intensive dietary support): a tailored type 2 diabetes remission program in North-West London (15 mins)</p> <p>Health behaviour change after a diabetes diagnosis in continental Europe, England, and the United States between 2006 and 2018 (15 mins)</p> <p>Characteristics of people with diabetes who smoked in metropolitan France in 2019 (15 mins)</p>	<p><i>Scheine Canhada</i></p> <p><i>Gabriela Lopes</i></p> <p><i>Jaana Linstrom</i></p> <p><i>Ben Griffiths</i></p> <p><i>Till Seuring</i></p> <p><i>Sandrine Fisse-Edorh</i></p>
<b>17:00 – 17:45</b>	<b>IDEG Business Meeting</b>	

**Sunday 4<sup>th</sup> December 2022**

<b>8:30 - 08:45</b>	<b>When the epidemiology changes</b> (chair – <i>David Simmonds</i> )  Epidemiology after a disaster (15 mins)	<i>Steven James</i>
<b>08:45 - 09:15</b>	<b>Oral abstracts session 5</b> (chairs – <i>Jessica Harding and Lauren Wedekind</i> )  Plasma lipidomic N-6 polyunsaturated fatty acids and type 2 diabetes risk in the epic-potsdam prospective cohort study (15 mins)  Proteomics of type 2 diabetes and related traits: results from the longitudinal KORA S4/ F4/ FF4 Study (15 mins)	<i>Marcela Prada</i>  <i>Hong Luo</i>
<b>09:15 - 10:05</b>	<b>Peter Bennett Award</b> (chair – <i>Peter Bennett</i> ) – <i>Ed Boyko</i>	
<b>10:05 - 10:25</b>	<b>Morning Tea</b>	
<b>10:25 - 10:55</b>	<b>Changing populations ctd ....</b> (chair – <i>Steven James</i> )  Epidemiology of COVID-19 in people with diabetes (30 mins)	<i>Claire Gilles</i>
<b>10:55 - 11:40</b>	<b>Oral abstracts session 6</b> (chairs – <i>Tim Davis and Wendy Davis</i> )  The effects of the covid-19 pandemic on pre-diabetes incidence in Ontario, Canada (15 mins)  Various combinations of gestational diabetes and gestation hypertension in two pregnancies and associations with CVD (15 mins)  Cardiovascular and microvascular diseases in LATENT autoimmune diabetes in adults (15 mins)	<i>Ghazal Fazli</i>  <i>Kaberi Dasgupta</i>  <i>Yuxia Wei</i>
<b>11:40 - 11:55</b>	<b>Lecture (Astra Zenica)</b> (chair – <i>Ed Gregg</i> )  Take Care of Me: impacting patients' lives in LMIC through data generation on the burden of T2D cardio-renal complications	<i>Susana Goncalves</i>
<b>11:55 - 12:25</b>	<b>Lecture</b> (chair – <i>Jonathan Shaw</i> )  Impact of sugar taxes on type 2 diabetes (30 mins)	<i>Ana Cristina Basto Abreu</i>
<b>12:25 - 13:05</b>	<b>Lunch</b>	
<b>13:05 - 14:00</b>	<b>Mini oral and Poster presentations</b> (chairs – <i>Ronald Ma and Paula Bracco</i> )  Antioxidant nutrient intake and risk of LADA and type 2 diabetes (5 mins)	<i>Anna Maria Lampousi</i>

	<p>Triglycerides/HDL-cholesterol ratio as a useful tool to predict diabetes: results from the ELSA-Brasil cohort (5 mins)</p> <p>Diet and glucose-cardiometabolic profile among individuals at high risk for type 2 diabetes after 1-year lifestyle intervention in the Finnish National Diabetes Prevention Program (5 mins)</p> <p>Association between health literacy, socio-economic factors and social support: the entred3 population-based survey of persons with type 2 diabetes in mainland France (5 mins)</p> <p>Associations between parental and offspring Body Mass Index trajectories: potential effect modification by grandparental socio-economic position (5 mins)</p> <p>Glycated haemoglobin and diabetes treatment trajectories in newly diagnosed type 2 diabetes: The Fremantle Diabetes Study Phase II (5 mins)</p> <p>Ethnic differences in clinical characteristics of patients with type 1 diabetes in New Zealand 1994-2018 (5 mins)</p> <p>Physical activity and risk of major diabetes-related complications in individuals with diabetes: a systematic review and meta-analysis of observational studies (5 mins)</p> <p>Temporal trends in chronic complication of diabetes by sex in community-based people with type 2 diabetes: The Fremantle diabetes study (5 mins)</p> <p>Epidemiology of diabetic retinopathy in Orhei region of Moldova (5 mins)</p> <p>Dysglycaemia, HIV infection and antiretroviral therapy in urban black South Africans: The Durban diabetes study (5 mins)</p>	<p><i>Bianca Almeida Pititto</i></p> <p><i>Auli Polonen</i></p> <p><i>Roxane Agius</i></p> <p><i>Jie Zhang</i></p> <p><i>Wendy Davis</i></p> <p><i>Dahai Yu</i></p> <p><i>Marlene Rietz</i></p> <p><i>Tim Davis</i></p> <p><i>Natalia Palarie</i></p> <p><i>Ayesha Motala</i></p>
<b>14:00 - 14:30</b>	<p><b>Lecture</b> (chair - <i>Jessica Harding</i>)</p> <p>Is gestational diabetes over diagnosed? (30 mins)</p>	<p><i>David Simmons</i></p>
<b>14:30 - 15:15</b>	<p><b>Oral abstracts session 7</b> (chairs - <i>Maria Ines Schmidt and Bruce Duncan</i>)</p> <p>Early screening for gestational diabetes and birth outcomes among Aboriginal Women in remote communities of the Northern Territory, Australia (15 mins)</p> <p>Haemoglobin A1c screening in early pregnancy among Aboriginal women in remote communities of the Northern Territory, Australia (15 mins)</p>	<p><i>Matthew Hare</i></p> <p><i>Ariella Joyce-Tubb</i></p>

	The association between maternal glucose levels in pregnancy and post-partum (15 mins)	<i>Xinyun Liang</i>
<b>15:15 - 15:45</b>	<b>Afternoon Tea</b>	
<b>15:45</b>	<b>Annual IDEG general meeting</b>	
<b>18:15</b>	<b>Pick up for dinner</b>	

<b>Monday 5<sup>th</sup> December 2022</b>		
<b>9:00 - 9:40</b>	<b>Harry Keen Award</b> (chair – <i>Ed Gregg</i> ) – <i>Jessica Harding</i>	
<b>9:40 - 10:25</b>	<b>Oral abstracts session 8</b> (chairs – <i>Wendy Davis and Tim Davis</i> )  Reasons for hospitalisation in Australians with type 2 diabetes compared to the general population, 2010-2017 (15 mins)  Hospitalisation for mental health disorders in Australians with type 1 and type 2 diabetes (15 mins)  Long-term and recent trends in mortality and life expectancy for people with type 1 diabetes in Finland (15 mins)	<i>Jonathan Shaw</i>  <i>Dianna Magliano</i>  <i>Martti Arfman</i>
<b>10:25 - 10:55</b>	<b>Morning Tea</b>	
<b>10:55 - 11:45</b>	<b>Debate: Will population-based lifestyle programs reduce the incidence of diabetes and its complications?</b> (chair - <i>Steven James</i> )  Yes, population-based lifestyle programs will reduce the incidence of diabetes and its complications  No, population-based lifestyle programs will not reduce the incidence of diabetes and its complications	<i>Ed Gregg</i>  <i>Maria Inês Schmidt</i>
<b>11:45 - 12:15</b>	<b>3-minute thesis competition</b> (chair – <i>Dianna Magliano</i> )	<i>Caroline Rodrigues</i>  <i>Rafael Dal Moro</i>  <i>Ramalan Mansur</i>
<b>12:15 - 12:45</b>	<b>Closing</b>	