The impact of medical advances and health interventions on longevity and population projections
Thursday 17 May 2018, Staple Inn, London

Objectives
This impact workshop brings together a multidisciplinary circle of professionals, including actuaries, statisticians, medical and public health professionals, insurance companies and governmental bodies. The goal of the workshop is to explore how various wide scale medical advances or health interventions, for example changes in NICE guidelines, may change longevity and therefore necessitate changes in population projections, and a variety of policies and business models, from public health to pensions and insurance products, and what is the role of observational data in assessing these changes.

Chair
Jules Constantinou (President-elect of the IFoA)

Agenda

<table>
<thead>
<tr>
<th>Timing</th>
<th>Programme</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.30 – 10.00</td>
<td>Registration and refreshments</td>
<td></td>
</tr>
<tr>
<td>10.00 – 10.10</td>
<td>Welcome</td>
<td>Jules Constantinou</td>
</tr>
<tr>
<td>10.10 – 10.40</td>
<td><strong>Keynote presentation</strong></td>
<td>Professor David Hand (Imperial College, London and past-president of the Royal Statistical Society)</td>
</tr>
<tr>
<td>10.40 – 11.00</td>
<td><strong>Big data: the unexpected, the unpredictable, and the unwanted</strong></td>
<td></td>
</tr>
<tr>
<td>11.00 – 11.15</td>
<td>Refreshments</td>
<td></td>
</tr>
<tr>
<td>11.15 – 11.30</td>
<td><strong>Big Health and Actuarial Data: Overview</strong></td>
<td>Elena Kulinskaya (Lead Principal Investigator, University of East Anglia)</td>
</tr>
<tr>
<td>11.30 – 11.50</td>
<td><strong>Big Health and Actuarial Data: Case Study</strong> (medical)</td>
<td>Nick Steel (Co-investigator, University of East Anglia )</td>
</tr>
<tr>
<td>11.50 – 12.00</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>12.00 – 12.20</td>
<td><strong>Big Health and Actuarial Data: Case Study</strong> (actuarial)</td>
<td></td>
</tr>
<tr>
<td>12.20 – 12.30</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>12.30 – 13.30</td>
<td>Lunch and networking</td>
<td></td>
</tr>
<tr>
<td>13.30 – 14.00</td>
<td><strong>Medical advances and the changing role of real-world evidence</strong></td>
<td></td>
</tr>
<tr>
<td>14.00 – 14.15</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>14.15 – 14.45</td>
<td><strong>Setting mortality assumptions for the National Population Projections</strong></td>
<td></td>
</tr>
<tr>
<td>14.45 – 15.00</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>15.00 – 15.20</td>
<td><strong>Recent global mortality trends and their business relevance for insurers</strong></td>
<td></td>
</tr>
<tr>
<td>15.20 – 15.30</td>
<td>Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>15.30 – 15.45</td>
<td>Refreshments</td>
<td></td>
</tr>
<tr>
<td>15.45 – 16.15</td>
<td><strong>Panel debate and discussion</strong></td>
<td></td>
</tr>
<tr>
<td>16.15 – 16.20</td>
<td>Close</td>
<td></td>
</tr>
<tr>
<td>16.20 – 17.30</td>
<td>Wine reception</td>
<td></td>
</tr>
</tbody>
</table>

**Stakeholders in attendance**

- Nigel Wright (Co-investigator, Aviva)
- Dr Jacoline Bouvy (Senior Scientific Adviser, National Institute for Health and Care Excellence)
- Sophie Sanders (Senior Research Officer, Office for National Statistics)
- Joseph Lu (Chair of IfoA’s Mortality and Research Steering Committee, Legal and General)
- Dame Karen Dunnell
  - Former Head, Office for National Statistics
- Clark Rushbrook
  - Department of Health and Social Care
- Chris Holmes
  - University of Oxford
- Dr Gordon Woo
  - RMS Consulting
- Daniel Ryan
  - Swiss Re Institute
- Jules Constantinou
- All
Imperial College London
University of East Anglia
Aviva
National Institute for Health and Care Excellence (NICE)
Office for National Statistics (ONS)
Legal and General
University of Oxford
RMS Consulting
Swiss Re Institute
Government Actuary’s Department (GAD)
PartnerRe
Royal Statistical Society (RSS)
SCOR
Zurich Insurance
Barnett Waddingham LLP
International Longevity Centre (ILC)
National Association for Patient Participation (NAPP)
Price Waterhouse Cooper (PwC)
Willis Towers Watson
Unum Group
Bupa
Lloyds Banking Group
Optum
British Heart Foundation
Vitality
NHS England
Department of Health and Social Care
Public Health England
University College London (UCL)

The impact workshop is supported by
University of East Anglia
Business and Local Government Data Research Centre
**How to get to Staple Inn Hall**

Staple Inn Hall is on the South Side, in High Holborn, close to Chancery Lane underground station. It has been used as a meeting place by actuaries since 1887, and up until 2012 was the location of the London offices of the Institute and Faculty of Actuaries (IFoA). The Hall and Council Chamber continue to be used by the IFoA as a venue for meetings and events.

**Address**

Staple Inn Hall, High Holborn, London, WC1V 7QJ.

**Public Transport**

Staple Inn is best approached from the south side exit of Chancery Lane tube station on the Central Line.

The nearest main line stations are Kings Cross and St Pancras. Staple Inn is within easy walking distance (10 minutes) of Farringdon, CityThameslink and Holborn stations.

Bus routes include numbers: 8, 17, 242, 25, 45, 341, 243, 501, 521

**Parking**

It is not recommended that you travel to Staple Inn by car as parking facilities are very limited. The nearest NCPs are on Saffron Street, just off Farringdon Road (10 minutes walk from Holborn Gate) and Shoe Lane (5 minutes walk from Holborn Gate).

**Bicycles and motorcycles**

Please note that there are no facilities for parking bikes or motorcycles at Staple Inn. For details of the locations of free cycle parking, please visit the [Corporation of London](http://www.clerkenwell.gov.uk) website.