

Department of Decision Sciences – Carlo F. Dondena Centre for
Research on Social Dynamics

Assessment of Pandemic H1N1 - infectious disease decision modelling - experiences in England

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Abstract

Since April H1N1 has spread around the globe starting from Mexico and US with a high estimate of the case fatality ratio. The WHO raised their pandemic alert level to 5 on April 29th and finally to 6 on June 11th . Since late April England has experienced importations and sustained transmission resulting in an epidemic peak before the summer and expect a second wave this autumn. This talk is about the work that has been done within the Modelling and Economics Unit of the Health Protection Agency (UK) during the development of the current pandemic. The presenters will give an insight into the techniques used to estimate key epidemiological parameters, to perform real time prediction of the number of cases and on how those estimates fed into policy decision making by (economical) modelling.