Record of COVID 19 modelling group meeting which took place by conference call on 31st March 2020

<u>Attendees</u>
lan Young (Chairperson)
Peter Jakobsen
NR
Adele Marshall
Frank Kee
Rob Brisk (Craigavon area hospital)
Declan Bradley  NR
<i>Apologies</i> Janie Bailie

## **England**

lan explained that the briefing note on COVID 19 analysis prepared by the modelling group would be finalised before close that day.

lan informed the group that NHS England had shared version 2.3 and 2.4 of their COVID 19 model with Declan Bradley. There was a discussion on the limitations of using the scaled down version of the SAGE projections. For example, there is no NI-specific outbreak curve for NI and the approach cannot account for:

- Age distribution and level of social deprivation by region;
- · Clusters in different Trusts; and
- Patient flow across Trust boundaries.

lan indicated that the latest data from SAGE suggests the increase in cases is following a straight line rather than an exponential curve. Ian also informed the group that SAGE had provided a set of updated assumptions.

## Northern Ireland

Declan indicated that if the modelling group were to choose the other sources over the NHS England tool, the reasons for doing so should be documented.

Frank highlighted the need for individual patient level data to further develop the COVID 19 analysis for NI. Ian also explained the importance of the assumptions for  $r^0$  in influencing the outcomes of the analytical models.

## **Action**

➤ The model outputs of ICU bed usage and the number of deaths should be presented for each of the three COVID 19 models which have been developed to analyse a range of NI data. These outputs should be based at Friday 1<sup>st</sup> and Tuesday 5<sup>th</sup> March and mapped in a line chart against actuals (in addition to the charts the underlying data should also be provided).