

## IEMAG

## Minutes of meeting – Wednesday 12 May 2021

**Attendees:** Philip Nolan (Chair), Ajay Oza, Breda Smyth, Brendan Murphy, Cathal Walsh, Chris Brunsdon, Conor Keegan, Conor McAloon, Conor Teljeur, Darren Dahly, Elizabeth Hunter, Eoghan McCarthy, Francis Butler, Guy McGrath, James P Gleeson, Jim Duggan, Justin Gleeson, Maire Connolly, Malachy Corcoran, Mathieu d'Aquin, Matt Robinson, Patrick Wall, Seán Lyons

**Apologies:** Alan Cahill, Ann Barber, David McEvoy, Jamie Madden, John Kelleher, Máirín Ryan, Simon More

**DOH:** Elizabeth McCrohan, Pauline White, Ronan O'Kelly, Sheona Gilsenan,

**Secretariat:** Darragh Turner, Denis Ryan, Fiona Tynan

### General Updates

- The Chair welcomed the group and outlined the priorities of the group over the next eight weeks.
- The Chair presented a descriptive analysis of a possible vaccination effect, noting a recent decrease in the proportion of cases with severe outcomes. The Chair asked the group to consider how best to quantify same.
- JG advised that data on the uptake levels of vaccination would be useful to feed in to the SEIR model. The Chair advised that it should be possible to get the data on daily doses by age cohort.
- JD presented an update to the exploratory school-effects model and updated scenarios from the age-cohort model. The increasing importance of this model was discussed, as the vaccination programmes is rolled out through age cohorts. It was agreed that running this model to project the Autumn period may be useful.
- CK presented an updated ESRI briefing note on hospital admission probability and length of stay among Covid-19 confirmed cases, noting that length of stay appears to be increasing. The group discussed possible reasons for this increase, noting possible artefactual reasons.
- EH provided an update on the agent -based model, presenting scenarios with medium in school mixing and children half as susceptible as adults to consider how different levels of community mixing impact case numbers.
- MDA provided a progress update on behalf of the data engineering group, highlighting the need for an integrated data system at source. The group are continuing work on generating synthetic data and automating some processes.
- CMA presented a brief epidemiological parameter update on the mean number of secondary cases per primary case.
- JG provided an update on behalf of the Geospatial Group, advising of good progress within the HPSC. A tender request for mobility data is ongoing.
- The group discussed the utility of rapid antigen testing noting both the advantages and disadvantages of same.
- The Chair thanked the group for their work and encouraged members to disseminate outputs among the group.

### Working Group 1: Epidemiology Modelling

#### Actions:

1	PN to review the age-cohort pessimistic scenario on Sharefile.
2	JD and PN to consider running age-cohort model to project Autumn period.
3	CMA to circulate slides on mean number of secondary cases per primary case.

### Working Group 2: Demand/Supply Modelling

#### Actions:

1	CK and SL to consider looking at mortality within ESRI brief.
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### Working Group 3: Geospatial Mapping/Modelling

#### Actions:

1	Meeting with HSE (Health Intelligence Unit) on 14 May 2021.
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### Working Group 4: Data Engineering

#### Actions:

1	Continue work generating synthetic data.
2	Meeting with Minister for Health on 12 May 2021.

#### **Misc. Actions**

- Request CMP data is added to extracts.

**Next Meeting:** 2 June 2021