

IEMAG

Minutes of meeting – Monday, 16th March 2:00-3:00pm

Attendees: Philip Nolan (Chair), Alan Barrett, Ann Barbar, Breda Smyth, Brendan Murphy, Chris Brunsdon, David McEvoy, Derval Igoe, Francis Butler, Guy McGrath, Megan O’Driscoll, Patrick Wall, Simon More, Kevin Hunt

Apologies: Darina O’Flanagan, Jim Duggan

Secretariat: Rhona Gaynor, Martha Purcell, Sarah Glavey

1. General Update

- CB, BM et al have developed a predictive curve-fitting model for the early stages of the epidemic, an exponential curve fit to the observed cases. This gives a likely number of new cases per day for the next 5-10 days. CB to provide daily update.
- SM has conducted a literature review to extract epidemiological parameters. PN has synthesised some of the key parameters in use in existing SEIR models.
- SEIR model code secured from Fisman group (Toronto) and up and running (BM)
- New members Megan O’Driscoll (Imperial/ Paris) and Jim Duggan (NUIG) have joined IEMAG [**Post meeting note:** James P Gleeson and Cathal Walsh (UL) will join from 18 March]

2. New Working Model Proposed and Agreed

It was agreed that we would attempt to get three SEIR model implementations up and running at three different research groups and compare results, with the epidemiological parameters agreed centrally by the group

Working Group 1: Epidemiology Modelling

1	Developing Current Model and Daily Reports (using HPSC data)
2	Adapting Canadian Model for Ireland
3	Adapting UK Imperial Model for Ireland (if/when code supplied)
4	Adapting French Model for Ireland (if/when code supplied)
5	Selecting Epidemiological Parameters
2	Liaising with HSPC/HSE/HIPE other on data collection and supply, to ensure location data on cases (and contacts?) and data by case on clinical course
6	International liaison

Note: SM to coordinate evidence inputs from other colleagues in UCD (FB and group, PW and group)

Working Group 2: Demand/Supply Modelling

1	Model Development
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Working Group 3: Geospatial Mapping/Modelling

1	Model Development
2	Liaising with Health Intelligence Unit HSE
3	Liaising with AIRO, MU

3. Misc Actions

- Follow up with Imperial Ferguson Group
- Follow up with France
- Follow up with HPSC director to clarify HSPC asks and explain potential of models we are building
- Follow up to embed Eircode in casefiles, and providing detailed case course data
- Seek standardised process for sharing HPSC data at set time daily
- Follow up with AIRO on geo mapping
- Sourcing data for number of cases versus number of positive cases
- Seek clarity on info required by senior decision makers and when
- Follow up with Google on offer of support – social contact matrix
- HIQA to progress research on children as carriers

Next Meeting: Wednesday, 18th March at 2pm (virtual meeting via ZOOM)