RESCEU 16th May 2017

Venue UA, Hof Van Liere: https://www.uantwerpen.be/en/about-uantwerp/catering-conventionhalls/convention-halls/hof-van-liere/

All speaker times include time for discussions: generally 20 mins talk + 10 mins discussion

08h30-09h00: registration & coffee

09h00-09h10: Welcome and introductions

09h10-10h00: Outline of RESCEU-RSV project and of WP3 (Philippe Beutels)

- Discussion of current status of all tasks
- Agenda for today and tomorrow

10h-Framework for analysis

10h00-10h30: Burden of disease analyses: missing data and imputation (Niel Hens)

10h30-11h00: coffee break

11h-Framework for analysis continued

11h00-11h30: Economic evaluation guidelines: main elements of existing guidelines (Mark Jit)
11h30-12h15: Proposed framework for analysis in RESCEU (Philippe Beutels)

12h15-13h30: LUNCH

13h30: Existing RSV cost-effectiveness models

13h30-14h00: Reviews of RSV cost and cost-effectiveness models as part of WP1(Shanshan Zhang)
14h00-14h30: Cost-effectiveness of RSV interventions: the Groningen experience (Maarten Postma)
14h30-15h00: Current RSV model developed at Novavax (Will Herring)

15h00-15h30: coffee break

15h30: Existing RSV cost-effectiveness models continued

15h30-16h10: RSV Models developed at LSHTM (Mark Jit)
16h10-16h40: A dynamic model of RSV transmission: applications and required data for adaptation (Nicolas Voirin and Victor Virlogeux)
16h40-17h10: Current GSK models for the cost-effectiveness of RSV vaccination options (Daniel Molnar)
17h10-17h40: RSV Model developed at PATH (Ranju Baral and Clint Pecenka)

17h45: Networking walking dinner

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09h00-12h30 Break-out session 1: RSV-RESCEU
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09h00-09h30: Data collection protocol alongside the clinical trial in WP4 (Joanne Wildenbeest)

09h30-12h30: Discussion on framework for analysis and next steps (Ph Beutels)
   (a) Disease burden
   (b) Cost-effectiveness

11h00-12h30 Break out session 2: SIMID- Agent Based Models
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11h00-11h30: Lessons from a decade of individual-based models for infectious disease transmission: a systematic review (2006-2015) (Lander Willem)

11h30-12h00: An open source modeling system called FRED (Framework for Reconstructing Epidemiological Dynamics) (Wilbert van Panhuis)

12h00-12h30: Inferring epidemiological parameters from HIV phylogenies (Federica Giardina)

12h30-14h00: LUNCH

14h00 – 15h30: Topics in health economics methods

14h00-14h30: A new method to value health (Thea Van Asselt)

14h30-15h00: Modelling behaviour change for infectious diseases: a systematic review (Frederik Verelst)

15h00-15h30: A Discrete Choice Experiment on equity aspects of vaccination in The UK (Jeroen Luyten)

15h30-16h00: coffee break

16h00 – 18h00: Topics in Modelling

16h00-16h30: Outcome dependent sampling/Review of math models for design purposes (Sereina Herzog)

16h30-17h00: Recasting agent-based model calibration as a missing data problem: Can we augment standard Approximate Bayesian Computation schemes with Multivariate Imputation by Chained Equations to improve computational efficiency? (Wim Delva)

17h00-17h30: Causal inference for vaccine effects in households and networks (Forrest Crawford)

17h30-18h00: On 2-level mixing model and HH network with empirical contact patterns (Andrea Torneri)

19h00: Networking guided beer tour with dinner

TRANSMID - 18th May 2017

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09h00 – 10h30: First session

09h00-09h30: A systematic review on social contact data relevant for the spread of infectious diseases (Thang Hoang)

09h30-10h00: Social contact and time use data in Sub Saharan Africa (Alessia Melegaro)

10h00-10h30: The dispersal of social contacts over distance and their relevance for the construction of epidemic models (Kim Vankerckhove)

10h30 - 11h00: coffee break

11h00 – 12h30: Second session

11h00-11h30: Macroscopic changes in social contact patterns over time relevant to inform the transmission process of respiratory infections (Yimer Kifle Wasihun)

11h30-12h00: Contact patterns and their relevance to Mycobacterium tuberculosis transmission (Pete Dodd)

12h00-12h30: Determining *Mycobacterium tuberculosis* transmission locations from social contact data (Nicky McCreesh)

12h30 – 14h00: LUNCH

14h00 – 16h00: Third session

14h00-14h30: Gender influence on infectious diseases modelling (Guillaume Béraud)

14h30-15h00: The impact of regular school closure on seasonal influenza epidemics: a data-driven spatial transmission model for Belgium (Pietro Coletti)

15h00-15h30: Individual and collective dynamics of contact behaviour (Sebastian Funk)

15h30-16h00: Human contact patterns and epidemic modeling (Marco Ajelli)

16h00-16h30: coffee break

16h30 – 18h00

16h30-17h45: Round table for discussion on future use of social contact data

17h45-18h00: Closing remarks