

Use of Utility and Disability Weights in Economic Evaluation of Pediatric Vaccines: A Systematic Review

Presenter: Nienke Neppelenbroek

**Supervisors: Dr Natalie Carvalho,
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[https://unimelb.zoom.us/j/98156521940?
pwd=OVBwYkVtTDk0NWp3MVImTUhENjBjdz09](https://unimelb.zoom.us/j/98156521940?pwd=OVBwYkVtTDk0NWp3MVImTUhENjBjdz09)

Cost-utility analyses of pediatric vaccines for infectious diseases require health-related quality of life weights (either utility or disability weights). A previous study that reviewed articles prior to June 2013 identified a paucity of utility weights in the pediatric infectious disease space, and a lack of standardization of the use of these weights, which undermines the comparability between economic evaluations. In addition to this, it is currently unknown what the level of agreement is between the utility weight and disability weight for the same health state. This seminar presents the results of a systematic review of economic evaluations of pediatric vaccines targeting 18 infectious diseases, published between January 2013 and December 2018. A summary of findings on utility weights and disability weights used in the studies will be presented. The level of agreement between utility and disability weights will also be discussed.

These seminars are free. Visitors are welcome to attend.
For more information contact the Centre for Health Policy +61 3 8344 9111



Nienke Neppelenbroek is a visiting second-year Epidemiology master's student from Utrecht University (the Netherlands), and is specialising in infectious disease epidemiology.

She participated in the U/Select honours program within her faculty, which enabled her to come over to the University of Melbourne and work for six-months within the Centre for Health Policy.

After leaving Australia she will finalise her master's program in the Netherlands.

Her research interests are in infectious disease epidemiology, public health, and the application of research in health policy.