Breaking the chain of transmission: Immunisation and outbreak investigation

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Publication date
2013

Citation for published version (APA):
Whelan, E. J. (2013). Breaking the chain of transmission: Immunisation and outbreak investigation. [Thesis, fully internal, Universiteit van Amsterdam].

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Portfolio and Peer Reviewed Publications
AMC Graduate School for Medical Science – PhD Portfolio

Name PhD Student: E.J. Whelan
PhD period: 2009-2013
Name PhD supervisor: Prof. dr. M.W. Borgdorff

Relevant Training

*In conjunction with the European Programme for Interventional Epidemiology Training:*
Computer Tools for Outbreak Investigations, December 2009
Multivariable Analysis, February 2010
Sampling, June 2010
Time Series Analysis, March 2011

Presentations

- 15th International Congress on Infectious Diseases, Bangkok, Thailand, 2012. (Poster presentation). Incidence of acute hepatitis B in different ethnic groups in a low-endemic country, 1992-2009: increased risk in second generation migrants.

- 15th International Congress on Infectious Diseases, Bangkok, Thailand, 2012. (Poster presentation). Characteristics of cases and contacts associated with secondary transmission of *Shigella* infection. Implications for current prevention policy.

- ESCAIDE, Stockholm, 2011. (Poster presentation). Immunogenicity of a hexavalent childhood vaccine & 7-valent pneumococcal conjugate vaccine.

- ESCAIDE, Lisbon, Portugal, 2010. (Oral presentation). Q fever in culling workers before and after animal culling in the Netherlands, 2010.

- ESCAIDE, Lisbon, Portugal, 2010. (Oral presentation). Burden of disease and risk factors for mumps in an outbreak affecting students in the Netherlands, December 2009 - June 2010.
Peer Reviewed publications

Hepatitis B

- Whelan J, Sonder G, Bovée L, van den Hoek A. Incidence of acute hepatitis B in different ethnic groups in a low-endemic country, 1992–2009: increased risk in second generation migrants.
  *Vaccine* 2012; 30: 5651–55.

- van Rijckevorsel G, Whelan J, Sonder G, van den Hoek A. Targeted vaccination programme successful in reducing acute Hepatitis B in men having sex with men in Amsterdam, The Netherlands.
  *J Hepatol* 2013. [in press]

- Whelan J, Hahné S, Berbers G, van der Klis, F, Netten Y, Boot H. Immunogenicity of a hexavalent vaccine co-administered with 7-valent pneumococcal conjugate vaccine. Findings from the National Immunisation Programme in the Netherlands.
  *Hum Vaccin Immunother* 2012;8:743–8.

- Boot HJ, Berbers GA, Whelan J, Hahné SJM. Combination vaccines: the sky is the limit? [in Dutch]
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Hepatitis A

- Whelan J, Sonder G, Bovée L, van den Hoek A. Evaluation of hepatitis A vaccine in post-exposure prophylaxis, the Netherlands, 2004–2012.
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Mumps

- Whelan J, van Binnendijk R, Greenland K, Fanoy E, Khargi M, Yap K, Boot H, Veltman N, Swaan C, van der Bij A, de Melker H, Hahné S. Ongoing mumps outbreak in a student population with high vaccination coverage, Netherlands, 2010.
  *Euro Surveill* 2010;15:pii=19554.

- Greenland K, Whelan J, Fanoy E, Borgert M, Hulshof K, Yap KB, Swaan C, Donker T, Melker H, Hahné S. Mumps outbreak among vaccinated university students associated with a large party, The Netherlands: December 2009–June 2010.
  *Vaccine* 2012;30:4676–80.
Hahné S, Whelan J, van Binnendijk R, Swaan C, Fanoy E, Boot H, et al. Mumps vaccine effectiveness against orchitis.
Emerg Infect Dis 2012;18:191–3

Q Fever
Whelan J, Schimmer B, Schneeberger P, Meekelenkamp J, IJff A, van der Hoek W, et al. Q fever among culling workers, the Netherlands, 2009–2010.
Emerg Infect Dis 2011;17:1719–23.
Whelan J, Schimmer B, de Bruin A, Robert – Du Ry van Beest Holle M, van der Hoek W, ter Schegget R. Visits on “lamb–viewing days” at a sheep farm open to the public was a risk factor for Q–fever in 2009.
Epidemiol Infect 2011;140:858-64.

Pandemic Influenza A(H1N1)
Whelan J, Greenland K, Rondy M, Roberts M, Hoek W van der. Case registry systems for pandemic influenza A(H1N1) in Europe: are there lessons for the future?
Euro Surveill 2012;17:pii=20167.

Infectious gastrointestinal disease
Bovée L, Whelan J, Sonder G, van den Hoek A. Seroconversion among contacts of Shigella patients in Amsterdam 1999–2009.
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Whelan J, Noel H, Friesema I, Hofhuis A, de Jager CM, Heck M, Heuvelink A, van Pelt W. National outbreak of Salmonella Typhimurium (Dutch) phage–type 132 in the Netherlands, October to December 2009.
Euro Surveill 2010;15:pii=19705.

Health Status and behaviour
Whelan J, Belderok S, van den Hoek A, Sonder G. Unprotected casual sex equally common with local and western partners among long-term Dutch travelers to (sub)tropical countries.
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Kelleher C, Whelan J, Daly L, Fitzpatrick P. Socio–demographic, environmental, lifestyle and psychosocial factors predict self rated health in Irish Travellers, a minority nomadic population.
Health & Place 2012;18:330–8.
Whelan J. Being old in Ireland: a fit state?
Ir Med J 2009;102:220–3.