



Rijksinstituut voor Volksgezondheid
en Milieu
*Ministerie van Volksgezondheid,
Welzijn en Sport*

Publicatielijst Cib-IDS rapportage 2015

A. van Leeuwenhoeklaan 9
3721 MA Bilthoven
Postbus 1
3720 BA Bilthoven
www.rivm.nl

T 030 274 91 11
F 030 274 29 71
info@rivm.nl

1 Publicaties PubMed

Amaral L and van Soolingen D. 'A Novel Advanced Laboratory Diagnosis to Guide Tuberculosis Drug Therapy.' *Recent Pat Antiinfect Drug Discov* 10, no. 2 (2015): 71-73.

Ang C., AH Brandenburg, HA Bijlmer, T Herremans, F Stelma, F M Verduyn Lunel, AP Van Dam. 'A Dutch nationwide evaluation of serological assays for detection of *Borrelia* antibodies in clinically well-defined patients'. *Diagn Microbiol Infect Dis*. 2015;83(3):222-8.

Azé J, Sola, Zhang J, Lafosse-Marin F, Yasmin M, Siddiqui R, Kremer K, van Soolingen D, Refrégier G. 'Genomics and machine learning for taxonomy consensus: The *Mycobacterium tuberculosis* complex paradigm. 2015.' *PLoS One*. 2015; 10(7): e0130912. Published online 2015 July 8. doi: 10.1371/journal.pone.0130912

Beaute J, Zucs P, Korsun N, Bragstad K, Enouf V, Kossyvakis A, Griskevicius A, Olinger CM, Meijer A, Guiomar R, Prosenc K, Staronova E, Delgado C, Brytting M and Broberg E. 'Age-Specific Differences in Influenza Virus Type and Subtype Distribution in the 2012/2013 Season in 12 European Countries.' *Epidemiol Infect* 143, no. 14 (2015): 2950-8.

Benschop KS, van der Avoort HG, Duizer E and Koopmans MP. 'Antivirals against Enteroviruses: A Critical Review from a Public-Health Perspective.' *Antivir Ther* 20, no. 2 (2015): 121-30.

Boeree MJ, Diacon AH, Dawson R, Narunsky K, du Bois J, Venter A, et al. 'A Step toward an Optimized Rifampin Dose Completed.' *Am J Respir Crit Care Med*. 2015;192(4):525-6

Boeree MJ, Diacon AH, Dawson R, Narunsky K, du Bois J, Venter A, et al. 'A dose-ranging trial to optimize the dose of rifampin in the treatment of tuberculosis.' *Am J Respir Crit Care Med*. 2015;191(9):1058-65.

- Borisevich V, Lee B, Hickey A, DeBuysscher B, Broder CC, Feldmann H and Rockx B. 'Escape from Monoclonal Antibody Neutralization Affects Henipavirus Fitness in Vitro and in Vivo.' *J Infect Dis*, (2015).
- Bosch T, Euser SM, Landman F, Bruin JP, IJzerman EP, den Boer JW and Schouls LM. 'Whole-Genome Mapping as a Novel High-Resolution Typing Tool for Legionella Pneumophila.' *J Clin Microbiol* 53, no. 10 (2015): 3234-8.
- Bosch T, Pluister GN, van Luit M, Landman F, van Santen-Verheuvél M, Schot C, Witteveen S, van der Zwaluw K, Heck ME and Schouls LM. 'Multiple-Locus Variable Number Tandem Repeat Analysis Is Superior to Spa Typing and Sufficient to Characterize Mrsa for Surveillance Purposes.' *Future Microbiol* 10, no. 7 (2015): 1155-62.
- Bosch T and Schouls LM. 'Livestock-Associated MRSA: Innocent or Serious Health Threat?' *Future Microbiol* 10, no. 4 (2015): 445-7.
- Broberg E, Snacken R, Adlhoch C, Beaute J, Galinska M, Pereyaslov D, Brown C, Penttinen P; 'WHO European Region and the European Influenza Surveillance Network. Start of the 2014/15 influenza season in Europe: drifted influenza A(H3N2) viruses circulate as dominant subtype.' *Euro Surveill*. 2015 Jan 29;20(4). pii: 21023.
- Cambau E, Viveiros M, Machado D, Raskine L, Ritter C, Tortoli E, et al. 'Revisiting susceptibility testing in MDR-TB by a standardized quantitative phenotypic assessment in a European multicentre study.' *J Antimicrob Chemother*. 2015;70(3):686-96.
- Chaidir L, Sengstake S, de Beer J, Krismawati H, Lestari FD, Ayawaila S, et al. 'Mycobacterium tuberculosis genotypic drug resistance patterns and clustering in Jayapura, Papua, Indonesia'. *Int J Tuberc Lung Dis*. 2015;19(4):428-33

Cleton NB, Godeke GJ, Reimerink J, Beersma MF, Doorn HR, Franco L, Goeijenbier M, Jimenez-Clavero MA, Johnson BW, Niedrig M, Papa A, Sambri V, Tami A, Velasco-Salas ZI, Koopmans MP and Reusken CB. 'Spot the Difference-Development of a Syndrome Based Protein Microarray for Specific Serological Detection of Multiple Flavivirus Infections in Travelers.' *PLoS Negl Trop Dis* 9, no. 3 (2015): e0003580.

Cleton NB, Reusken CB, Wagenaar JF, van der Vaart EE, Reimerink J, van der Eijk AA, Koopmans MP. 'Syndromic Approach to Arboviral Diagnostics for Global Travelers as a Basis for Infectious Disease Surveillance.' *PLoS Negl Trop Dis*. 2015 Sep 15;9(9):e0004073. doi: 10.1371/journal.pntd.0004073. eCollection 2015 Sep.

Dorigo-Zetsma JW, Leverstein-van Hall MA, Vreeswijk J, de Vries JJ, Vossen AC, Ten Hulscher HI, Kerkhof J, Smits GP, Ruijs WL, Koopmans MP and Binnendijk RS. 'Immune Status of Health Care Workers to Measles Virus: Evaluation of Protective Titers in Four Measles Igg Eias.' *J Clin Virol* 69, (2015): 214-8.

Deem SL, Fèvre EM, Kinnaird M, Browne AS, Muloi D, Godeke GJ, Koopmans M, Reusken CB. 'Serological Evidence of MERS-CoV Antibodies in Dromedary Camels (*Camelus dromedaries*) in Laikipia County, Kenya.' *PLoS One*. 2015 Oct 16;10(10):e0140125. doi: 10.1371/journal.pone.0140125. eCollection 2015. PubMed PMID: 26473733; PubMed Central PMCID: PMC4608777.

de Boer RF, Ferdous M, Ott A, Scheper HR, Wisselink GJ, Heck ME, Rossen JW, Kooistra-Smid. 'Assessing the public health risk of Shiga toxin-producing *Escherichia coli* by use of a rapid diagnostic screening algorithm.' *AM.J Clin Microbiol*. 2015 May;53(5):1588-98

de Graaf M, van Beek J, Vennema H, Podkolzin AT, Hewitt J, Bucardo F, Templeton K, Mans J, Nordgren J, Reuter G, Lynch M, Rasmussen LD, Iritani N, Chan MC, Martella V, Ambert-Balay K, Vinjé J, White PA, Koopmans MP. 'Emergence of a novel GII.17 norovirus – End of the GII.4 era?' *Euro Surveill*. 2015 Jul 2;20(26). pii: 21178. PMID: 26159308

- de Knecht GJ, Bakker-Woudenberg IA, van Soolingen D, Aarnoutse R, Boeree MJ, de Steenwinkel JE. 'SILA-421 activity in vitro against rifampicin-susceptible and rifampicin-resistant Mycobacterium tuberculosis, and in vivo in a murine tuberculosis model.' *Int J Antimicrob Agents*. 2015;46(1):66-72.
- Elberse K, van Mens S, Cremers AJ, Meijvis SC, Vlaminckx B, de Jonge MI, Meis JF, Blauwendraat C, van de Pol I and Schouls LM. 'Detection and Serotyping of Pneumococci in Community Acquired Pneumonia Patients without Culture Using Blood and Urine Samples.' *BMC Infect Dis* 15, (2015): 56.
- Elberse KE, Wagenvoort GH, Pluister GN, de Melker HE, Sanders EA, van der Ende A, Knol MJ. 'Pneumococcal population in the era of vaccination: changes in composition and the relation to clinical outcomes.' *Future Microbiol*. 2016 ; 11:31-41
- Enserink R, van den Wijngaard C, Bruijning-Verhagen P, van Asten L, Mughini-Gras L, Duizer E, Kortbeek T, Scholts R, Nagelkerke N, Smit HA, Kooistra-Smid M, van Pelt W. 'Gastroenteritis attributable to 16 enteropathogens in children attending day care: significant effects of rotavirus, norovirus, astrovirus, Cryptosporidium and Giardia'. *Pediatr Infect Dis J*. 2015 Jan;34(1):5-10.
- Enserink R, Mughini-Gras L, Duizer E, Kortbeek T, Van Pelt W. 'Risk factors for gastroenteritis in child day care.' *Epidemiol Infect*. 2015 Oct;143(13):2707-20.
- Escaffre O, Halliday H, Borisevich V, Casola A and Rockx B. 'Oxidative Stress in Nipah Virus-Infected Human Small Airway Epithelial Cells.' *J Gen Virol* 96, no. 10 (2015): 2961-70.

Farag EA, Reusken CB, Haagmans BL, Mohran KA, Stalin Raj V, Pas SD, Voermans J, Smits SL, Godeke GJ, Al-Hajri MM, Alhajri FH, Al-Romaihi HE, Ghobashy H, El-Maghraby MM, El-Sayed AM, Al Thani MH, Al-Marri S, Koopmans MP. 'High proportion of MERS-CoV shedding dromedaries at slaughterhouse with a potential epidemiological link to human cases, Qatar 2014.' *Infect Ecol Epidemiol.* 2015 Jul 15;5:28305. doi: 10.3402/iee.v5.28305. eCollection 2015. PubMed PMID: 26183160; PubMed Central PMCID: PMC4505336.

Ferro BE, van Ingen J, Wattenberg M, van Soolingen D, Mouton JW. 'Time-kill kinetics of slowly growing mycobacteria common in pulmonary disease.' *J Antimicrob Chemother.* 2015;70(10):2838-43.

Ferro BE, van Ingen J, Wattenberg M, van Soolingen D, Mouton JW. 'Time-kill kinetics of antibiotics active against rapidly growing mycobacteria.' *J Antimicrob Chemother.* 2015;70(3):811-7

Ferro BE, Srivastava S, Deshpande D, Sherman CM, Pasipanodya JG, van Soolingen D, Mouton JW, van Ingen J, Gumbo T. 'Cuddling Nightmare Bacteria: Amikacin Pharmacokinetics/Pharmacodynamics in a Novel Hollow Fiber Mycobacterium abscessus Disease Model.' *Antimicrob Agents Chemother.* 2015 Dec 7. pii: AAC.02282-15. [Epub ahead of print]

Freidl GS, Binger T, Muller MA, de Bruin E, van Beek J, Corman VM, Rasche A, Drexler JF, Sylverken A, Oppong SK, Adu-Sarkodie Y, Tschapka M, Cottontail VM, Drosten C and Koopmans M. 'Serological Evidence of Influenza A Viruses in Frugivorous Bats from Africa.' *PLoS One* 10, no. 5 (2015): e0127035.

Friesema IH, Kuiling S, van der Ende A, Heck ME, Spanjaard L, van Pelt W. 'Risk factors for sporadic listeriosis in the Netherlands, 2008 to 2013.' *Euro Surveill.* 2015 Aug 6;20(31)

- Friesema IH, Keijzer-Veen MG, Koppejan M, Schipper HS, van Griethuysen AJ, Heck ME, van Pelt W. 'Hemolytic uremic syndrome associated with Escherichia coli O8:H19 and Shiga toxin 2f gene.' *Emerg Infect Dis*. 2015 Jan;21(1):168-9.
- Friesema IH, Schotsborg M, Heck ME, Van Pelt W. 'Risk factors for sporadic Shiga toxin-producing Escherichia coli O157 and non-O157 illness in The Netherlands, 2008-2012, using periodically surveyed controls.' *Epidemiol Infect*. 2015 May
- Goddard N, Rebelo-de-Andrade H, Meijer A, McCauley J, Daniels R, Zambon M. 'Future directions for the European influenza reference laboratory network in influenza surveillance.' *Euro Surveill*. 2015 Jul 30;20(30). pii: 21195.
- Goeijenbier M, Verner-Carlsson J, van Gorp EC, Rockx B, Koopmans MP, Lundkvist A, van der Giessen JW and Reusken CB. 'Seoul Hantavirus in Brown Rats in the Netherlands: Implications for Physicians--Epidemiology, Clinical Aspects, Treatment and Diagnostics.' *Neth J Med* 73, no. 4 (2015): 155-60.
- Gruteke P, Ho PL, Haenen A, Lo WU, Lin CH and de Neeling AJ. 'MRSA Spa T1081, a Highly Transmissible Strain Endemic to Hong Kong, China, in the Netherlands.' *Emerg Infect Dis* 21, no. 6 (2015): 1074-6.
- Hernandez H, Marceau C, Halliday H, Callison J, Borisevich V, Escaffre O, Creech J, Feldmann H and Rockx B. 'Development and Characterization of Broadly Cross-Reactive Monoclonal Antibodies against All Known Ebolavirus Species.' *J Infect Dis* 212 Suppl 2, (2015): S410-3.
- Jonges M, van Leuken J, Wouters I, Koch G, Meijer A and Koopmans M. 'Wind-Mediated Spread of Low-Pathogenic Avian Influenza Virus into the Environment During Outbreaks at Commercial Poultry Farms.' *PLoS One* 10, no. 5 (2015): e0125401.

- Kaaijk P, Gouma S, ten Hulscher HI, Han WG, Kleijne DE, van Binnendijk RS, van Els CA (2015). 'Dynamics of the serologic response in vaccinated and unvaccinated mumps cases during an epidemic.' *Human Vaccines & Immunotherapeutics* 11, 1754-1761.
- Kampschreur LM, Wegdam-Blans MC, Wever PC, Renders NH, Delsing CE, Sprong T, van Kasteren ME, Bijlmer H, Notermans D, Oosterheert JJ, Stals FS, Nabuurs-Franssen MH, Bleeker-Rovers CP and Dutch Q Fever Consensus Group. 'Chronic Q Fever Diagnosis-Consensus Guideline Versus Expert Opinion.' *Emerg Infect Dis* 21, no. 7 (2015): 1183-8.
- Kossyvakis A, Pogka V, Melidou A, Moutousi A, Gioula G, Kalliaropoulos A, Exindari M, Emmanouil M, Horefti E, Spala G, Meijer A, Malisiovas N and Mentis AF. 'Challenges in Antigenic Characterization of Circulating Influenza a(H3n2) Viruses During the 2011-2012 Influenza Season: An Ongoing Problem?' *J Clin Microbiol* 53, no. 5 (2015): 1493-9.
- Koster MP, Vreeken RJ, Harms AC, Dane AD, Kuc S, Schielen PC, Hankemeier T, Berger R, Visser GH and Pennings JL. 'First-Trimester Serum Acylcarnitine Levels to Predict Preeclampsia: A Metabolomics Approach.' *Dis Markers* 2015, (2015): 857108.
- Krawczyk AI, van Leeuwen AD, Jacobs-Reitsma W, Wijnands LM, Bouw E, Jahfari S, van Hoek AH, van der Giessen JW, Roelfsema JH, Kroes M, Kleve J, Dullemont Y, Sprong H, de Bruin A. 'Presence of zoonotic agents in engorged ticks and hedgehog faeces from *Erinaceus europaeus* in (sub) urban areas.' *Parasit Vectors*. 8:210. (2015)
- Leeflang MMG, H Sprong, CW Ang, H Berkhout, H Bijlmer, AH Brandenburg, N van Burgel, AP van Dam, R Dessau, V Fingerle, T Herremans, JWR Hovius, B Jaulhac, B Meijer, D Notermans, W van Pelt, JFP Schellekens, R Spijker, FF Stelma, G Stanek, F Verduyn-Lunel. 'A systematic literature assessment on the diagnostic accuracy of serological tests for Lyme Borreliosis.' ECDC Report 2015, in press.

Leeflang M, CW Ang, J Berkhout, HA Bijlmer, W van Bortel, A Brandenburg, ND Van Burgel, AP Van Dam, RB Dessau, V Fingerle, JW Hovius, B Jaulhac, B Meijer, W Van Pelt, JF Schellekens, R Spijker, FF Stelma, G Stanek, F Verduyn-Lunel, H Zeller, H Sprong. 'The diagnostic accuracy of serological tests for Lyme borreliosis: A systematic review and meta-analysis.' 2015 accepted for publication in BMC Inf. Dis.

Lochlainn LN, Mandal S, de Sousa R, Paranthaman K, van Binnendijk R, Ramsay M, Hahné S, Brown KE. 'A unique measles B3-cluster in the United Kingdom and the Netherlands linked to air travel and transit at a large international airport: implications for public health follow-up of exposed travellers and airport staff.' Eurosurveillance 2015, in press

Mooi FR, Zeddeman A, van Gent M 'The pertussis problem: classical epidemiology and strain characterization should go hand in hand', J Pediatr (Rio J). 2015; 91 (4): 315-317

Munoz O, De Nardi M, van der Meulen K, van Reeth K, Koopmans M, Harris K, von Dobschuetz S, Freidl G, Meijer A, Breed A, Hill A, Kosmider R, Banks J, Stark KD, Wieland B, Stevens K, van der Werf S, Enouf V, Dauphin G, Dundon W, Cattoli G, Capua I and Flurisk Consortium. 'Genetic Adaptation of Influenza A Viruses in Domestic Animals and Their Potential Role in Interspecies Transmission: A Literature Review.' Ecohealth, (2015).

Nguyen DT, Louwen R, Elberse K, van Amerongen G, Yuksel S, Luijendijk A, Osterhaus AD, Duprex WP and de Swart RL. 'Streptococcus Pneumoniae Enhances Human Respiratory Syncytial Virus Infection in Vitro and in Vivo.' PLoS One 10, no. 5 (2015): e0127098.

Pennings JL, Kremers MN, Hodemaekers HM, Hagens JC, Koning OH, Renders NH, Hermans MH, de Klerk A, Notermans DW, Wever PC and Janssen R. 'Dysregulation of Serum Gamma Interferon Levels in Vascular Chronic Q Fever Patients Provides Insights into Disease Pathogenesis.' Clin Vaccine Immunol 22, no. 6 (2015): 664-71.

Petrignani M, van Beek J, Borsboom G, Richardus JH, Koopmans M. 'Norovirus introduction routes into nursing homes and risk factors for spread: a systematic review and meta-analysis of observational studies.' *J Hosp Infect.* 2015 Mar;89(3):163-78. doi: 10.1016/j.jhin.2014.11.015. Epub 2014 Dec 29. Review.

Poelman R, Schuffenecker I, Van Leer-Buter C, Josset L, Niesters HGM, Lina B, on behalf of the ESCV-ECDC EV-D68 study group. 'European surveillance for enterovirus D68 during the emerging North-American outbreak in 2014.' *J Clin Virol.* 2015 Oct;71:1-9.

Reusken CB, Farag EA, Haagmans BL, Mohran KA, Godeke GJ 5th, Raj S, Alhajri F, Al-Marri SA, Al-Romaihi HE, Al-Thani M, Bosch BJ, van der Eijk AA, El-Sayed AM, Ibrahim AK, Al-Molawi N, Müller MA, Pasha SK, Drosten C, AlHajri MM, Koopmans MP. 'Occupational Exposure to Dromedaries and Risk for MERS-CoV Infection, Qatar,' 2013-2014. *Emerg Infect Dis.* 2015 Aug;21(8):1422-5. doi: 10.3201/eid2108.150481. PubMed PMID: 26196891; PubMed Central PMCID: PMC4517733.

Santos CL, Nebenzahl-Guimaraes H, Mendes MV, van Soolingen D, Correia-Neves M. 2015. 'To Be or Not to Be a Pseudogene: A Molecular Epidemiological Approach to the mclx Genes and Its Impact in Tuberculosis.' *PloS one* 10:e0128983.

Schets FM, van den Berg HH, de Zwaan R, van Soolingen D and de Roda Husman AM. 'The Microbiological Quality of Water in Fish Spas with Garra Rufa Fish, the Netherlands, October to November 2012.' *Euro Surveill* 20, no. 19 (2015): 2-8.

Schopfer K, Rieder HL, Steinlin-Schopfer JF, van Soolingen D, Bodmer T, Chantana Y, et al. 'Molecular epidemiology of tuberculosis in Cambodian children.' *Epidemiol Infect.* 2015;143(5):910-21

- Simons SO, van der Laan T, de Zwaan R, Kamst M, van Ingen J, Dekhuijzen PN, Boeree MJ and van Soolingen D. 'Molecular Drug Susceptibility Testing in the Netherlands: Performance of the Mtbdrplus and Mtbdrsl Assays.' *Int J Tuberc Lung Dis* 19, no. 7 (2015): 828-33.
- Slok ENE, Dijkstra F, de Vries E, Rietveld A, Wong A, Notermans DW, van Steenberghe JE. 'Estimation of acute and chronic Q fever incidence in children during a three-year outbreak in the Netherlands and a comparison with international literature.' *BMC Res Notes* 2015;8:456.
- Soetens LC, van Benthem BH, Urbanus A, Cremer J, Benschop KS, Rietveld A, van Dijk EI and Hahne SJ. 'Ongoing Transmission of Hepatitis B Virus in Rural Parts of the Netherlands, 2009-2013.' *PLoS One* 10, no. 2 (2015): e0117703.
- Sun L, Meijer A, Froeyen M, Zhang L, Thibaut HJ, Baggen J, George S, Vernachio J, van Kuppeveld FJ, Leyssen P, Hilgenfeld R, Neyts J and Delang L. 'Antiviral Activity of Broad-Spectrum and Enterovirus-Specific Inhibitors against Clinical Isolates of Enterovirus D68.' *Antimicrob Agents Chemother*, (2015) Dec;59(12):7782-5.
- Takashita E, Meijer A, Lackenby A, Gubareva L, Rebelo-de-Andrade H, Besselaar T, Fry A, Gregory V, Leang SK, Huang W, Lo J, Pereyaslov D, Siqueira MM, Wang D, Mak GC, Zhang W, Daniels RS, Hurt AC, Tashiro M. 'Global update on the susceptibility of human influenza viruses to neuraminidase inhibitors, 2013-2014.' *Antiviral Res.* 2015 May;117:27-38.
- Tuladhar E, Hazeleger WC, Koopmans M, Zwietering MH, Duizer E and Beumer RR. 'Reducing Viral Contamination from Finger Pads: Handwashing Is More Effective Than Alcohol-Based Hand Disinfectants.' *J Hosp Infect* 90, no. 3 (2015): 226-34.
- van Altena R, de Vries G, Haar CH, de Lange WC, Magis-Escorra C, van den Hof S, et al. 'Highly successful treatment outcome of multidrug-resistant tuberculosis in the Netherlands, 2000-2009'. *Int J Tuberc Lung Dis.* 2015;19(4):406-12.

- van Asten L, Bijkerk P, Fanoy E, van Ginkel A, Suijkerbuijk A, van der Hoek W, Meijer A, Vennema H. 'Early occurrence of Influenza A epidemics coincided with changes in occurrence of other respiratory virus infections'. *Influenza Other Respir Viruses*. 2015 Sep 15. doi: 10.1111/irv.12348. [Epub ahead of print]
- van Cleef BA, van Benthem BH, Verkade EJ, van Rijen MM, MF Kluytmans-van den Bergh, Graveland H, Bosch T, Verstappen KM, Wagenaar JA, Bos ME, Heederik D and Kluytmans JA. 'Livestock-Associated Mrsa in Household Members of Pig Farmers: Transmission and Dynamics of Carriage, a Prospective Cohort Study.' *PLoS One* 10, no. 5 (2015): e0127190.
- Van der Auwera G et. al. 'Comparison of Leishmania typing results in 16 European clinical laboratories.' submitted *Eurosurveillance*
- Van der Beek NA, van Tienen C, de Haan JE, Roelfsema J, Wismans PJ, van Genderen PJ, Tanghe HL, Verdijk RM, Titulaer MJ, van Hellemond JJ. 'Fatal Balamuthia mandrillaris Meningoencephalitis in the Netherlands after Travel to The Gambia.' *Emerg Infect Dis*. 21: 896-898 (2015)
- van der Paardt AF, Wilffert B, Akkerman OW, de Lange WC, van Soolingen D, Sinha B, et al. 'Evaluation of macrolides for possible use against multidrug-resistant *Mycobacterium tuberculosis*.' *Eur Respir J*. 2015;46(2):444-55.
- van der Zwaluw K, de Haan A, Pluister GN, Bootsma HJ, de Neeling AJ and Schouls LM. 'The Carbapenem Inactivation Method (Cim), a Simple and Low-Cost Alternative for the Carba Np Test to Assess Phenotypic Carbapenemase Activity in Gram-Negative Rods.' *PLoS One* 10, no. 3 (2015): e0123690.

van Gent M, Heuvelman CJ, van der Heide HG, Hallander HO, Advani A, Guiso N, Wirsing von Konig CH, Vestrheim DF, Dalby T, Fry NK, Pierard D, Detemmerman L, Zavadilova J, Fabianova K, Logan C, Habington A, Byrne M, Lutynska A, Mosiej E, Pelaz C, Grondahl-Yli-Hannuksela K, Barkoff AM, Mertsola J, Economopoulou A, He Q and Mooi FR. 'Analysis of Bordetella Pertussis Clinical Isolates Circulating in European Countries During the Period 1998-2012.' Eur J Clin Microbiol Infect Dis 34, no. 4 (2015): 821-30.

Wielders CC, Boerman AW, Schimmer B, van den Brom R, Notermans DW, van der Hoek W and Schneeberger PM. 'Persistent High Igg Phase I Antibody Levels against Coxiella Burnetii among Veterinarians Compared to Patients Previously Diagnosed with Acute Q Fever after Three Years of Follow-Up.' PLoS One 10, no. 1 (2015): e0116937.

Wielders CC, van Loenhout JA, Morroy G, Rietveld A, Notermans DW, Wever PC, Renders NH, Leenders AC, van der Hoek W and Schneeberger PM. 'Long-Term Serological Follow-up of Acute Q-Fever Patients after a Large Epidemic.' PLoS One 10, no. 7 (2015): e0131848.

Willemsen I, Nelson J, Hendriks Y, Mulders A, Verhoeff S, Mulder P, Roosendaal R, van der Zwaluw K, Verhulst C, Kluytmans-van den Bergh M and Kluytmans J. 'Extensive Dissemination of Extended Spectrum Beta-Lactamase-Producing Enterobacteriaceae in a Dutch Nursing Home.' Infect Control Hosp Epidemiol 36, no. 4 (2015): 394-400.

WHO Global Influenza Surveillance and Response System working group on surveillance of influenza antiviral susceptibility. 'Executive summary of the 4th expert working group meeting.' Weekly Epidemiological Records 2015;33:414-419.

Zeddeman A, Witteveen S, Bart MJ, van Gent M, van der Heide HG, Heuvelman KJ, Schouls LM and Mooi FR. 'Studying Bordetella Pertussis Populations by Use of Snpex, a Simple High-Throughput Single Nucleotide Polymorphism Typing Method.' J Clin Microbiol 53, no. 3 (2015): 838-46.

2 Overig

- Arand SM, van Soolingen D. 'Genotyping of Mycobacterium tuberculosis in China and missing links in the chain of ongoing transmission of tuberculosis.' CID 2015.
- Bart MJ, Zeddeman A, van der Heide HGJ, Heuvelman K, van Gent M, Mooi FR. 'Complete genome sequences of Bordetella pertussis isolates B1917 and B1920, representing two predominant global lineages.' Genome Announc. November/December 2014 vol. 2 no. 6 e01301-14
- Beld van den MJC, Reinders E, Notermans DW, Reubsaet FAG. 'Possible misidentification of species in the Pseudomonas fluorescens lineage, as Burkholderia pseudomallei and Francisella tularensis, and emended descriptions of Pseudomonas brenneri, Pseudomonas gessardii and Pseudomonas proteolytica.' International Journal of systematic Evolutionary Microbiology.
- Benschop KSM, Rahamat-Langendoen JC, Avoort van der H, Claas ECJ, Pas SD, Schuurman R, Verweij J, Wolthers KC, Niesters HGM, Koopmans M. 'VIRO-TypedNed, systematic molecular surveillance of enterovirus in the Netherlands between 2010-2014'. Eurosurveillance.
- Bosch T, Luit M van, Pluister GN, Frensz D, Haenen, A, Landman F, Witteveen S, van Marm-Wttimena, N, van der Heide HGJ. 'Changing characteristics of LA-MRSA isolated from humans in the Netherlands. Emergence of a subclade transmitted without livestock exposure.'
- Colombani de P, Hollo V, Jansen N, Kremer K, Labelle S, Makhmudova M, Ramis O, Sandgren A, Stillo J, Tukvadze N, Yedilbayev A. 'Review of the national tuberculosis programme in Romania, 10-21 March 2014' WHO Reviewrapport, <http://www.euro.who.int/en/health-topics/communicable-diseases/tuberculosis/publications/2014/review-of-the-national-tuberculosis-programme-in-romania,-1021-march-2014>

- Duizer E. 'Laboratory analysis of environmental samples taken following the reported release of live poliovirus.' RIVM rapport 2015-0032.
- Duizer E, Rutjes A, de Roda Husman AM, Schijven J. 'Risk based monitoring, risk assessment and risk management following a reported accidental release of poliovirus.'
- Dijkstra JA, van der Laan T, Akkerman OW, Bolhuis MS, de Lange WCM, Kosterink JGW, van der Werf TS, Alffenaar JWC, van Soellingen D. 'In vitro drug susceptibility of Mycobacterium tuberculosis for amikacin and kanamycin.' *JAC* 2015.
- de Jong JC, Donker GA, Meijer A, van der Hoek W, de Lange MMA, Rimmelzwaan GF, Koopmans MPG. 'Het influenzaseizoen 2014/2015 in Nederland: een zeer langdurige epidemie.' *Ned Tijdschr Med Microbiol* 2015;23:nr4
- Elberse KE, Wagenvoort GHJ, Pluister GN, Melker HE de, Sanders EAM, van der Ende A, Knol MJ. 'The Pneumococcal Population in the Era of Vaccination: changes in Composition, Including Capsular Switches, and the Relation to Clinical Outcomes.' *PLOS Pathogens*
- Friesema IHM, Kuiling S, Biesta-Peters EG, Zuidema R, van der Zwaluw WK, Heck MEOC en van Pelt W. 'Surveillance van shigatoxine-producerende Escherichia coli (STEC) in Nederland, 2013.' *Infectieziekten Bulletin* 26, no. 2 (2015): 41-45
- Koene M, Rijks J, Maas M, de Rosa M, Broens E, Vellema P, Engelsma M, Pijnacker R, Fanoy E, Notermans D, vd Tas P, vd Giessen J, Gröne A en Roest HJ. 'Tularemie in Nederland, terug van weggeweest?' *Tijdschrift voor Geneeskunde* No. 8, augustus 2015.
- Magis-Escurra C, Erkens C, Peters B, Schamp R, Dekhuijzen PNR, Aarnoutse R, Boeree MJ, van Soellingen D. 'Characteristics and accuracy of non-culture confirmed tuberculosis diagnosis in The Netherlands from 2007-2009.' *Intern. Journ. For Tuberc. and lung Dis.* 2015

- Meijer A. Resistance to influenza antiviral drugs. In: SWAB. NethMap 2015 – 'Consumption of antimicrobial agents and antimicrobial resistance among medically important bacteria in the Netherlands'. RIVM 2015:105-107.
- Mooi FR, Zeddeman A, van Gent M. Editorial (op uitnodiging) te publiceren in Journal de Pediatria in het officiële blad van de Braziliaanse vereniging voor Kindergeneeskundigen.
- Nebenzahl-Guimaraes H, Yimer SA, Holm-Hansen C, de Beer J, Brosch R, van Soolingen D. 'Further characterization of the novel Mycobacterium tuberculosis complex lineage 7 and a proposed name: Mycobacterium tuberculosis aethiopvetus.' Int. J. Syst Evol Microbiol. 2015
- Roelfsema JH, Sprong H, Caccio SM, Takumi K, Kroes M, van Pelt W, Kortbeek LM, van der Giessen WB. 'Molecular characterization of human Cryptosporidium isolates after an unusual increase in late summer 2012.' Parasites & Vectors.
- Teirlinck AC, van Asten L, Brandsema PS, Dijkstra F, Donker GA, Euser SM, van Gageldonk-Lafeber AB, Hooiveld M, de Lange MMA, Meijer A, Slump E, van der Hoek W. 'Annual report Surveillance of influenza and other respiratory infections in the Netherlands: winter 2014/2015'. RIVM report number 2015-0042. 2015.
- van der Bij AK, Kardamanidis K, Frakking FNJ, Bonten MJM en Signaleringsoverleg Ziekenhuisinfecties en Antimicrobiële Resistentie. 'Ziekenhuisuitbraken en resistente micro-organismen.' Ned Tijdschr Geneeskd. 2015;159(0):A8585.
- van Dorp S, Crobach M, Notermans DW, de Greeff CS en Kuijper EJ. 'Referentielaboratorium onderzoekt Clostridium difficile-infecties.' MAGMA 2015;1:25-7.
- van Gorkom T, SUC Sankatsing, W Voet, K. Kremer, DW Notermans, SFT Thijsen. 'Patients treated for Lyme neuroborreliosis report a reduced quality of life and have an increased number of Borrelia specific T cells in their blood.' Wetenschappelijke najaarsvergadering NVMM en VIZ, 19 November 2015, Amersfoort.

- van der Hoek W, van Gageldonk-Lafeber AB, van Asten L, Meijer A. 'De zin en onzin van griepvaccinatie.' Ned Tijdschr Allergie & Astma. 2015;15:78-83.
- Van Soolingen D., De Neeling H, Soetens L, Van der Hoek W, en de Vries G. 2015. 'Onderzoek naar de toepassing van 'whole genome sequencing' van Mycobacterium tuberculosis.' Tegen de Tuberculose; jaargang 111, nr. 3: 3-6.
- Vries G. de, Beer J. de, Douwe B, van Soolingen D. 'Transmissie van Mycobacterium bovis tussen mens en dier.' Tegen de Tuberculose 2015
- Wammes LJ, Roelfsema J, Hohmann FP, Verdijk RM, Kortbeek LM, van Hellemond J.J. 'Verrassend verse vis' – casus en literatuuroverzicht' Ned Tijdschr Med Microbiol 23: 83- 87 (2015)
- Zeddeman A, Kok KE, van Gent M, Heuvelman K, Bart MJ, van der Heide HGJ, van Opzeeland FJH, van Selm S, de Jonge MI, de Groot R, Diavatopoulos DA and Mooi FR. 'SOR project Vaccination and pathogen escape', S / 230456;