

Publicaties 2017 SPR-periode 2015-2018

Themes

- HEC: Health-Economics (HEC)
- HOR: Host Response (HOR)
- IRA2: Integrated Risk Assessment (IRA2)
- MDM: Mathematical Disease Modelling (MDM)
- RIC: Risk Communication (RIC)
- SPS: System Assessment for Policy Support (SPS)
- COT: Cross Cutting Themes (COT)

✓: *eerste en/of tweede en/of laatste auteur is RIVM-medewerker*
auteur vetgedrukt: RIVM-medewerker

Theme Health Economics (HEC)

HEC, S/114003, ToxoSCAN

- ✓ **1. Suijkerbuijk AWM, Gils PF van, Bonacic Marinovic AA, Feenstra TL, Kortbeek LM, Mangen MJJ, Opsteegh M, Wit GA de, Giessen JWB van der**
The design of a Social Cost Benefit Analysis of preventive interventions for toxoplasmosis: an example of the One Health approach
Zoonosis Public Health 2018; 65(1):185-94
[Closed Access](#)

Theme Host Response (HOR)

HOR, S/112001, Early IR to Bordetella pertussis

- ✓ **2. Hovingh ES, van Gent M, Hamstra HJ, Demkes M, Mooi FR, Pinelli E**
Emerging Bordetella pertussis strains induce enhanced signaling of human pattern recognition receptors TLR2, NOD2 and secretion of IL-10 by dendritic cells
PLoS One 2017; 12(1):e0170027
[Open Access](#)
- ✓ **3. Hovingh ES, Broek B van den, Kuipers B, Pinelli E, Rooijackers SHM, Jongerius I**
Acquisition of C1 inhibitor by Bordetella pertussis virulence associated gene 8 results in C2 and C4 consumption away from the bacterial surface
PLoS Pathog 2017; 13(7):e1006531
[Open Access](#)

HOR, S/112003, CYTOVITE

- ✓ **4. Berg S van den, Wong A, Hendriks M, Jacobi RHJ, Baarle D van, van Beek J**
Negative effect of age, but not of latent cytomegalovirus infection on the antibody response to a novel influenza vaccine strain in healthy adults
Front Immunol 2018; 9:art.82
[Open Access](#)

HOR, S/112006, Immunold

- ✓ **5. Guichelaar T, Erp EA van, Hoeboer J, Smits NAM, Els CACM van, Pieren DKJ, Luytjes W**
Diversity of aging of the immune system classified in the cotton rat (*Sigmodon hispidus*) model of human infectious diseases
Dev Comp Immunol 2018; 82:39-48
[Open Access](#)

- ✓ **6. Erp EA van, Kasteren PB van, Guichelaar T, Ahout IML, Haan CAM de, Luytjes W**
Ferwerda G, **Oliver W**
In vitro enhancement of respiratory syncytial virus infection by maternal antibodies does not explain disease severity in infants
J Virol 2017; 91(21):e00851-17
[Open Access](#)

HOR, S/112007, NSE-Battle

- ✓ **7. Tielemans SMAJ, Melker HE de, Hahné SJM, Boef AGC, Klis van der FRM, Sanders EAM, van der Sande MAB, Knol MJ**
Non-specific effects of measles, mumps, and rubella (MMR) vaccination in high income setting: population based cohort study in the Netherlands
BMJ 2017; 358:j3862
[Open Access](#)

- ✓ **8. Boef AGC, Klis FRM van der, Berbers GAM, Buisman AM, Sanders EAM, Kemmeren JM, Ende A van der, Melker HE de, Rots NY, Knol MJ**
Differences by sex in IgG levels following infant and childhood vaccinations: An individual participant data meta-analysis of vaccination studies
Vaccine 2018; 36(3):400-7
[Closed Access](#)

HOR, S/112008, RSV-MD-antibodies

- ✓ **9. Jans J, Wicht O, Widjaja Y, Ahout IML, Groot R de, Guichelaar T, Luytjes W, Jonge MI de, Haan CAM de, Ferwerda G**
Characteristics of RSV-specific maternal antibodies in plasma of hospitalized, acute RSV patients under three months of age
PLoS One 2017; 12(1):e0170877
[Open Access](#)

- ✓ **10. Erp EA van, Kasteren PB van, Guichelaar T, Ahout IML, Haan CAM de, Luytjes W, Ferwerda G, Wicht O**
In vitro enhancement of respiratory syncytial virus infection by maternal antibodies does not explain disease severity in infants
J Virol 2017; 91: e00851-17
[Open Access](#)

HOR, S/132005, EPIPRET

- ✓ **11. Walaszczyk E, Luijten M, Spijkerman AMW** Bonder MJ, Lutgers H, Snieder H, Wolffenbuttel B, Vliet-Ostaptchouk J van
DNA methylation markers associated with type 2 diabetes fasting glucose and HbA1c levels: a systematic review and replication in a case-control sample of the Lifelines study
Diabetologia 2018; 61(2):354-68
[Closed Access](#)

Theme Integrated Risk Assessment (IRA2)

IRA2, E/121518, LANDMARK

- 12. Vrebos D, Bampa F, Creamer RE, Gardi C, Ghaley BB, Jones A, Rutgers M, Sanden T, Staes J, Meire P**
The impact of policy instruments on soil multifunctionality in the European Union
Sustainability 2017; 9(3):407
[Open Access](#)

IRA2, E/124505, FutureNanoNeeds

- 13. Zhai Y, Hunting ER, Wouterse M, Peijnenburg WJGM, Vijver MG**
Importance of exposure dynamics of metal-based nano-ZnO, -Cu and -Pb governing the metabolic potential of soil bacterial communities
Ecotoxicol Environ Saf 2017; 145:349-58
[Open Access](#)
- ✓ **14. Pomeran M van, Peijnenburg WJGM, Brun NR, Vijver MG**
A novel experimental and modelling strategy for nanoparticle toxicity testing enabling the use of small quantities
Int J Environ Res Public Health 2017; 14(11):1348
[Open Access](#)
- 15. Pomeran M van, Brun NR, Peijnenburg WJGM, Vijver MG**
Exploring uptake and bio-distribution of polystyrene (nano)particles in zebrafish embryos at different developmental stages
Aquat Toxicol 2017; 190:40-5
[Open Access](#)
- ✓ **16. Xiao Y, Peijnenburg WJGM, Chen G, Vijver MG**
Impact of water chemistry on the particle-specific toxicity of copper nanoparticles to *Daphnia magna*
Sci Total Environ 2017; 610-611:1329-35
[Closed Access](#)
- ✓ **17. Luo T, Chen J, Song B, Ma H, Fu Z, Peijnenburg WJGM**
Time-gated luminescence imaging of singlet oxygen photo induced by fluoroquinolones and functionalized graphene's in *Daphnia magna*
Aquat Toxicol 2017; 191:105-12
[Closed Access](#)

- ✓ **18.** Chen G, **Peijnenburg WJGM**, Xiao Y, Vijver MG
Developing species sensitivity distributions for metallic nanomaterials considering the characteristics of nanomaterials, experimental conditions, and different types of endpoints
Food Chem Toxicol 2018; 112:563-70
[Open Access](#)

19. Kovalishyn V, Abramenko N, Kopernyk I, Charochkina L, Metelytsia L, Tetko IV, **Peijnenburg W**, Kustov L
Modelling the toxicity of a large set of metal and metal oxide nanoparticles using the OCHEM platform
Food Chem Toxicol 2018; 112:507-17
[Closed Access](#)

IRA2, E/132500, GUIDEnano

- ✓ **20.** Park M, **Wijnhoven S**
A web-based guidance tool for risk assessment and mitigation of nano-enabled products
TCDD 2017; 3: 7
[Closed Access](#)

21. Fernández-Cruz ML, Hernández-Moreno D, Catalán J, Cross RK, Stockmann-Juvala H, Cabellos J, Lopes VR, Matzke M, Ferraz N, Izquierdo JJ, Navas JM, **Park M**, Svendsen C, Janer G
Quality evaluation of human and environmental toxicity studies performed with nanomaterials - the GUIDEnano approach
Environ Sci Nano 2018; 5(2):381-97
[Closed Access](#)

IRA2, S/121004 HERACLES

- ✓ **22.** Strak M, **Janssen N**, **Beelen R**, Schmitz O, Karssenberg D, **Houthuijs D**, **van den Brink C**, Dijst M, Brunekreef B, Hoek G
Associations between lifestyle and air pollution exposure: potential for confounding in large administrative data cohorts
Environ Res 2017; 156: 364-73
[Open Access](#)

- ✓ **23.** Strak M, **Janssen N**, **Beelen R**, Schmitz O, Vaartjes I, Karssenberg D, **Brink C van den**, Bots ML, Dijst M, Brunekreef B, Hoek A
Long-term exposure to particulate matter, NO₂ and the oxidative potential of particulates and diabetes prevalence in a large national health survey
Environ Int 2017; 108: 228-36
[Open Access](#)

IRA2, S/124001, SafeBBE

- ✓ **24.** **Zijp MC**, **Waaijers-Loop SL van der**, Heijungs R, Broeren MLM, Peeters R, Nieuwenhuijzen A van, Shen L, **Heugens EHW**, **Posthuma L**
Method selection for sustainability assessments: the case of recovery of resources from waste water
J Environ Manage 2017; 197:221-30
[Closed Access](#)

- ✓ **25.** Broeren MLM, **Zijp MC**, **Waaijers-Loop SL van der**, **Heugens EHW**, **Posthuma L**, Worrell E, Shen L
Environmental assessment of bio-based chemicals in early-stage development: A review of methods and indicators
Biofuels Bio-products & Bio-refining 2017; 11:701-18
[Open Access](#)

Theme Mathematical Disease Modelling (MDM)

MDM, S/113005, Prometheus

- ✓ **26.** Worby CJ, **Wallinga J**, Lipsitch M, Goldstein E
Population effect of influenza vaccination under co-circulation of non-vaccine variants and the case for a bivalent A/H3N2 vaccine component
Epidemics 2017; 19:74-82
[Open Access](#)

MDM, S/210002, MOST

- ✓ **27.** **Jacobs R**, Lesaffre E, **Teunis PFM**, Hhle M, **Kasstele J van de**
Identifying the source of food-borne disease outbreaks: An application of Bayesian variable selection
Stat Methods Med Res 2018; advance online publication (ahead of print)
[Closed Access](#)

Theme Risk Communication (RIC)

RIC, S/015016, Communicatie Darmkanker

- ✓ **28.** **Douma LN**, **Uiters E**, **Timmermans DRM**
The Dutch public are positive about the colorectal cancer-screening programme, but is this a well-informed opinion?
BMC Public Health 2016; 16:1208
[Open Access](#)

RIC, S/111001, Contagion

- ✓ **29.** **Hamdiui N**, **Stein ML**, van der Veen YJJ, Muijsenbergh METC van den, **Steenbergen JE van**
Hepatitis B in Moroccan-Dutch; a qualitative study into determinants of screening participation
Eur J Public Health 2018; advance online publication (ahead of print)
[Open Access](#)

- ✓ **30.** **Breen LA van**, **Stein ML**, Troelstra SA, **Steenbergen JE van**
Regionale hepatitis B-screeningsprogramma's: Hoe denken Vietnamese en Chinese immigranten over deelname
Infectieziekten Bulletin 2017; 8: 261-7
[Open Access](#)

RIC, S/121003, PUR SA(N)G

- ✓ **31. Janssen T, Claassen L, Poll R van, Kamp I van, Timmermans DRM**
Breaking down uncertain risks for risk communication: a conceptual review of the environmental health literature
Risk, Hazards and Crisis in Public Policy 2018; 9(1):4-38
[Open Access](#)

Theme System Assessment for Policy Support (SPS)

SPS, E/133515, SUSTAIN

- ✓ **33. Bruin SR de, Stoop A**, Billings J, Leichsenring K, Ruppe G, Tram N, Barbaglia MG, Ambugo EA, Zonneveld N, Paat-Ahi G, Hoffmann H, Khan U, Stein V, Wistow G, Lette M, Jansen APD, Nijpels G, **Baan CA**
The SUSTAIN project: a European study on improving integrated care for older people living at home
Int J Integrat Care 2018; 18(1):6
[Open Access](#)

SPS, S/015026, Citizen Science

- ✓ **34. Broeder L den, Uiters E, Have W ten**, Wagemakers A, **Schuit AJ**
Community participation in Health Impact Assessment. A scoping review of the literature
Environ Impact Assessm Rev 2017; 66: 33-42
[Open Access](#)

SPS, S/113006, SARI

- 35.** Rondy M, Launay O, Castilla J, Costanzo S, Puig-Barberà J, Gefenaite G, Larrauri A, Rizzo C, Pitigoi D, Syrjanen RK, Machado A, Filipovic SK, Horvath JK, Paradowska-Stankiewicz I, **Marbus S**, Moren A, I-MOVE/I-MOVE+ study team
Repeated seasonal influenza vaccination among elderly in Europe: Effects on laboratory confirmed hospitalised influenza
Vaccine 2017; 35(34):4298-306
[Open Access](#)

- 36.** Rondy M, Gherasim A, Casado I, Launay O, Rizzo C, Pitigoi D, Mickiene A, **Marbus SD**, Machado A, Syrjanen RK, Pem-Novoso I, Horvat JK, Larrauri A, Castilla J, Vanhems P, Alfonsi V, Ivanciuc AE, Kuliiese M, **Gageldonk-Lafeber AB van**, Gomez V, Ikonen N, Lovric Z, Ferenczi A, Moren A, I-MOVE/I-MOVE+ study team
Low 2016/17 season vaccine effectiveness against hospitalised influenza A(H3N2) among elderly: awareness warranted for 2017/18 season
Euro Surveill 2017; 22(41):17000645
[Open Access](#)

- 37.** Kissling E, Rondy M, **Meijer A**, et al, I-MOVE/I-MOVE+ study team
Early 2016/17 vaccine effectiveness estimates against influenza A(H3N2): I-MOVE multicenter case control studies at primary care and hospital levels in Europe
Euro Surveill 2017; 22(7)
[Open Access](#)

Publicaties in Nederlandse tijdschriften 2017 SPR-periode 2015-2018

Theme System Assessment for Policy Support (SPS)

SPS,S/133002, PreCaRe

- ✓ **38.** Vrijhoef HJM, **Baan CA**, Nieboer AP, Batenburg RS, Valentijn PP
Integratie van zorg: inzichten uit (onderzoeks)programma's tussen 2005 en 2017
TSG 2017; 95(5):208-13
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