

NHR wetenschappelijke publicaties

Hierbij zetten wij voor u de publicaties van de NHR op een rijtje.

2022

NHR publicaties 2022

Houterman S, van Dullemen AH, Versteegh MIM, Aengevaeren WRM, Danse PW, Brinkman E, Schuurman DWB, van Veghel HPA.

Data quality and auditing within the Netherlands Heart Registration: using the PCI-registration as an example.

Accepted Netherlands Heart Journal.

Timmermans MJC, Houterman S, Daeter ED, Danse PW, Li WW, Lipsic E, Roefs MM, van Veghel HPA, on behalf of the PCI Registration Committee of the Netherlands Heart Registration and the Cardiothoracic Registration Committee of the Netherlands Heart Registration.

Using real-world data to monitor and improve quality of care in coronary artery disease: results from the Netherlands Heart Registration.

Neth Heart J 2022 Apr 7. doi: 10.1007/s12471-022-01672-0. Online ahead of print.

van der Nat PB, **Derks L, van Veghel D.**

Health outcomes management evaluation: a national analysis of Dutch Heart Care.

Eur Heart J Qual Care Clin Outcomes 2022; 8: 670-680. doi: 10.1093/ehjqcco/qcab060. Epub 2021 Aug 27.

Externe publicaties 2022

Pustjens TFS, **Timmermans MJC,** Rasoul S, van 't Hof AWJ, on behalf of the PCI Registration Committee and the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Multivessel versus culprit-only percutaneous coronary intervention in patients with non-ST-elevation acute coronary syndrome.

J Clin Med 2022, 11(20), 6144. <https://doi.org/10.3390/jcm11206144>. Nog niet in Pubmed.

Mariani S, van Bussel BCT, Ravoux JM, **Roefs MM,** De Piero ME, Di Mauro M, Willers A, Segers P, Delnoij T, van der Horst ICC, Maessen J, Lorusso R, on behalf of the NHR Cardiothoracic Surgery Registration Committee.

Determinants of in-hospital and post-discharge outcomes after post-cardiotomy extracorporeal membrane oxygenation: Netherlands Heart Registration cohort.

Journal of Thoracic and Cardiovascular Surgery 2022 Sep 7;S0022-5223(22)00916-3. doi: 10.1016/j.jtcvs.2022.08.024. Online ahead of print.

Olsthoorn JR, Heuts S, **Houterman S, Roefs MM,** Maessen JG, Sardari Nia P, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Does Concomitant Tricuspid Valve Surgery Increase The Risks Of Minimally Invasive Mitral Valve Surgery? A Multicentre Comparison Based On Data From The Netherlands Heart Registration.

Journal of Cardiac Surgery 2022 Oct 13. doi: 10.1111/jocs.17004. Online ahead of print.

Al-Farra H, Ravelli ACJ, Henriques JPS, **Houterman S**, de Mol BAJM, Abu-Hanna A, on behalf of the NHR THI Registration Committee.

Development and validation of a prediction model for early-mortality after Transcatheter Aortic Valve Implantation (TAVI) based on the Netherlands Heart Registration (NHR): The TAVI-NHR risk model.

Catheterization and Cardiovascular Interventions 2022 (<http://doi.org/10.1002/ccd.30398>)

Mol D, **van der Stoel MD**, Balt JC, Bhagwandien RE, Blaauw Y, van Dessel PFHM, van Driel VJHM, Driessen AHG, Elvan A, Hassink RJ, Kemme MJB, Kraaier K, Kuijt WJ, Luermans JGLM, van der Voort PH, Westra SW, de Groot JR, de Jong JSSG.

Low 30-day mortality after atrial fibrillation ablation: results from the Netherlands Heart Registration.

Can J Cardiol 2022 Jun 14;S0828-282X(22)00340-3. doi: 10.1016/j.cjca.2022.05.024. Online ahead of print.

Olsthoorn JR, Heuts S, **Houterman S**, Maessen JG, Sardari Nia P, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Minimally invasive approach compared to re sternotomy for mitral valve surgery in patients with prior cardiac surgery: retrospective multicenter study based on The Netherlands Heart Registration.

Eur J Cardiothorac Surg 2022 Aug 19;ezac420. doi: 10.1093/ejcts/ezac420. Online ahead of print.

Rooijackers MJP, Li WWL, Stens NA, Vis MM, Tonino PAL, Timmers L, van Mieghem NM, den Heijer P, Kats S, Stella PR, Roolvink V, van der Werf HW, Stoel MG, Schotborgh CE, Amoroso G, Porta F, van der Kley F, van Wely MH, Gehlmann H, van Garsse LAFM, Geuzebroek GSC, Verkroost MWA, Mourisse JM, **Medendorp NM**, van Royen N.

Transcatheter aortic valve implantation amid the COVID-19 pandemic: a nationwide analysis of the first COVID-19 wave in the Netherlands.

Neth Heart J 2022 Jun 1;1-7. doi: 10.1007/s12471-022-01704-9. Online ahead of print.

Mol D, **Renskers L**, Balt JC, Bhagwandien RE, Blaauw Y, van Driel VJHM, Driessen AHG, Elvan A, Folkeringa R, Hassink RJ, Hooft van Huysduynen B, Luermans JGLM, Stevenhagen JY, van der Voort PH, Westra SW, de Groot JR, de Jong JSSG, on behalf of the Netherlands Heart Registration ablation committee.

Persistent phrenic nerve palsy after atrial fibrillation ablation: follow-up data from the Netherlands Heart Registration.

J Cardiovasc Electrophysiol 2022; 33: 559-564.

Matteucci M, Ronco D, Ravaux JM, Massimi G, Di Mauro M, **Houterman S**, Maessen JG, Beghi C, Severgnini P, Lorusso R, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Surgical repair of post-infarction ventricular free-wall rupture in the Netherlands: data from a nationwide registry.

Ann Cardiothorac Surg 2022; 11: 310-318.

Ravaux JM, van Kuijk SMJ, Di Mauro M, Vernooy K, Bidar E, van 't Hof AW, Veenstra L, Kats S, **Houterman S**, Maessen JG, Lorusso R, on behalf of the THI Registration Committee of the Netherlands Heart Registration.

Incidence and predictors of permanent pacemaker implantation after transcatheter aortic valve procedures: data of the Netherlands Heart Registration (NHR).

J Clin Med. 2022 Jan 23;11(3):560. doi: 10.3390/jcm11030560.PMID: 35160012.

De Beaufort HWL, **Roefs MM**, Daeter EJ, Heijmen RH, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Impact of the coronavirus disease 2019 pandemic on volume of thoracic aortic surgery on a national level.

Eur J Cardiothorac Surg 2022; 61: 854-859. doi: 10.1093/ejcts/ezab550.

Hazen YJMJ, Noordzij PG, Gerritse BM, Scohy TV, **Houterman S**, Bramer S, Berendsen RR, Bouwman RA, Eberl S, Haenen JSE, Hofland J, ter Horst M, Kingma MF, van Klarenbosch J, Klok T, de Korte MPJ, van der Maaten JMAA, Spanjersberg AJ, Wietsma NE, van der Meer NJM, Rettig TCD, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Preoperative anemia and outcome after elective cardiac surgery: a Dutch national registry analysis.

Br J Anaesth. 2022 Apr;128(4):636-643. doi: 10.1016/j.bja.2021.12.016. Epub 2022 Jan 12. PMID: 35031105

Olsthoorn JR, Heuts S, Maessen JG, **Houterman S**, Sardari Nia P, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Effect of minimally invasive mitral valve surgery compared to sternotomy on short- and long-term outcomes: retrospective multicenter interventional cohort study based on Netherlands Heart Registration.

Eur J Cardiothorac Surg 2022; 61: 1099-1106. doi: 10.1093/ejcts/ezab507. Epub 2021 Dec 8.

van Steenberg GJ, van Straten B, Lam KY, **van Veghel D**, Dekker L, Tonino PA, on behalf of the NHR THI & cardiothoracic surgery Registration Committees.

Report on outcomes of valve-in-valve transcatheter aortic valve implantation and redo surgical aortic valve replacement in the Netherlands.

Neth Heart J 2021 Aug 9. doi: 10.1007/s12471-021-01608-0. Neth Heart J 2022; 30: 106-112. doi:

10.1007/s12471-021-01608-0. Epub 2021 Aug 9.

2021

NHR publicaties 2021

van der Nat PB, **Derks L**, **van Veghel D**.

Health outcomes management evaluation: a national analysis of Dutch Heart Care.

Eur Heart J Qual Care Clin Outcomes. 2021 Aug 27;qcab060. doi: 10.1093/ehjqcco/qcab060. Online ahead of print.

Derks L, Sturkenboom HN, Zaal M, **Houterman S**, Woudstra P, Tio RA, van Veghel HPA.

Association between public media and trends in new acute coronary syndrome presentations during the first COVID-19 wave in the Netherlands.

Neth Heart J 2021; 29: 577-583. doi: 10.1007/s12471-021-01603-5.

Derks L, **Houterman S**, Geuzebroek GSC, van der Harst P, **Smits PC**, on behalf of the PCI registration Committee of the Netherlands Heart Registration.

Daylight saving time does not seem to be associated with number of percutaneous coronary interventions for acute myocardial infarction in the Netherlands.

Neth Heart J 2021; 29: 427-432. doi: 10.1007/s12471-021-01566-7.

Daeter EJ, **van Veghel D**, **Houterman S**, Olsthoorn J, Soliman-Hamad M.A.; Netherlands Heart Registration (NHR) Transcatheter Heart Valve Interventions (THI) Registration Committees.

Recent trends in aortic valve interventions: data of the Netherlands Heart Registration.

Journal of Cardiac Surgery 2021; 36: 573-581. doi: 10.1111/jocs.15265. Epub 2020 Dec 23.

Externe publicaties 2021

Ties D, Singh TK, Zhang X, **van Veghel D**, Schalkers S, Groot HE, Krabbe PFM, van der Harst P.

What really matters: a patient-centered instrument to evaluate health-related quality of life in cardiovascular disease.

Eur Heart J Qual Care Clin Outcomes. 2021 Nov 8;qcab079. doi: 10.1093/ehjqcco/qcab079. Online ahead of print.

van den Boogert TPW, Vendrik J, Gunster JLB, van Mourik MS, Claessen BEPM, van Kesteren F, Koch KT, Wykrzykowska JJ, Vis MM, Winkelman TA, Driessen AHG, Beijik MAM, de Winter RJ, Tijssen JGP, Planken NR, Baan J, Henriques JP.

The impact of percutaneous coronary intervention on mortality in patients with coronary lesions who underwent transcatheter aortic valve replacement.

J Invasive Cardiol 2021; 33:E823-E832.

Ravaux JM, van Kuijk SMJ, Di Mauro M, Vernooy K, Bidar E, Mariani S, Actis Dato G, van 't Hof AW, Veenstra L, Kats S, **Houterman S**, Maessen JG, Lorusso R, on behalf of the Cardiothoracic Surgery Registration Committee of the Netherlands Heart Registration.

Incidence and predictors of permanent pacemaker implantation after surgical aortic valve replacement: data of the Netherlands Heart Registration (NHR).

Journal of Cardiac Surgery 2021; 36: 3519-3527. doi: 10.1111/jocs.15803.

Karami M, Peters EJ, Lagrand WK, **Houterman S**, den Uil CA, Engström AE, Otterspoor LC, Ottevanger JP, Ferreira IA, Montero-Cabezas JM, Sjauw K, van Ramshorst J, Kraaijeveld AO, Verouden NJW, Lipsic E, Vlaar AP, Henriques JPS; on behalf of the PCI Registration Committee of the Netherlands Heart Registration.

Outcome and predictors for mortality in patients with cardiogenic shock: a Dutch nationwide registry-based study of 75,407 patients with acute coronary syndrome treated by PCI.

J Clin Med 2021; 10: 2047. doi: 10.3390/jcm10102047

van Steenberghe GJ, van Veghel D, Schulz DN, Soliman-Hamad M, Tonino PA, **Houterman S**, Dekker L, on behalf of the NHR THI Registration Committee.

Better survival after transcatheter aortic valve replacement by process improvements.

Neth Heart J 2021; 29: 193-200. doi: 10.1007/s12471-020-01526-7. Epub 2020 Dec 7.

Blokzijl F, **Houterman S**, van Straten BHM, Daeter E, Brandon Bravo Bruinsma GJ, Dieperink W, Reneman MF, Keus F, van der Horst ICC, Mariani MA.

The impact of surgical aortic valve replacement on quality of life-a multicenter study.

J Thorac Cardiovasc Surg 2021; 161: 1204-1210. doi: 10.1016/j.jtcvs.2019.09.184. Epub 2019 Oct 31.

Mol D, **Houterman S**, Balt JC, Bhagwandien RE, Blaauw Y, Delnoy PPHM, van Driel VJHM, Driessen AHG, Folkerlinga RJ, Hassink RJ, Hooft van Huysduynen B, Luermans JGLM, Ouss AJ, Stevenhagen YJ, **van Veghel HPA**, Westra SW, de Jong JSSG and de Groot JR.

Complications in pulmonary vein isolation in the Netherlands Heart Registration differ with sex and ablation technique.

Europace 2021; 23: 216-225. doi: 10.1093/europace/euaa255.

Al-Farra H, de Mol BAJM, Ravelli ACJ, ter Burg WJPP, **Houterman S**, Henriques JPS, Abu-Hanna A, on behalf of the NHR THI Registration Committee.

Update and, internal and temporal-validation of the FRANCE-2 and ACC-TAVI early-mortality prediction models for Transcatheter Aortic Valve Implantation (TAVI) using data from the Netherlands Heart Registration (NHR).

International Journal of Cardiology Heart & Vasculature 2021; 32: 100716. doi: 10.1016/j.ijcha.2021.100716. eCollection 2021 Feb.

van Veelen A, Claessen BEPM, **Houterman S**, Hoebbers LPC, Elias J, Henriques JPS, Knaapen P; on behalf of the PCI Registration Committee of the Netherlands Heart Registration.

Incidence and outcomes of chronic total occlusion percutaneous coronary intervention in the Netherlands: data from a nationwide registry.

Neth Heart J 2021; 29: 4-13. doi: 10.1007/s12471-020-01521-y. Epub 2020 Dec 2.

2020

NHR publicaties 2020

Van Veghel D, Daeter E, Amoroso G, Bax M, Blaauw Y, Camaro C, Cummins P, Halfwerk F, den Hamer I, de Jong J, Stoker W, van der Wees P, van der Nat P.

Organization of outcomes-based quality improvement in Dutch heart centers.

Eur Heart J Qual Care Clin Outcomes 2020; 6: 49-54. doi: 10.1093/ehjqcco/qcz021. Epub 2019 Apr 26.

Externe publicaties 2020

Zelis JM, van 't Veer M, **Houterman S**, Pijls NHJ, Tonino PAL.

Survival and Quality of Life after Transcatheter Aortic Valve Implantation Relative to the General Population.

Int J Cardiol Heart Vasc 2020; 28: 100536.

Al-Farra H, Abu-Hanna A, de Mol BAJM, ter Burg WJ, **Houterman S**, Henriques JPS, Ravelli ACJ, on behalf of the NHR THI Registration Committee.

External validation of existing prediction models of 30-day mortality after Transcatheter Aortic Valve Implantation (TAVI) in the Netherlands Heart Registration.

Int J Cardiol 2020; 317: 25-32.

Spanjersberg AJ Ottervanger JP, Nierich AP, Speekenbrink RGH, Stoker W, Hoogendoorn M, **van Veghel D**, Houterman S, Brandon Bravo Bruinsma GJ.

Implementation of a specific Safety Check is associated with lower postoperative mortality in cardiac surgery.

J Thorac Cardiovasc Surg 2020; 159: 1882-1890. doi: 10.1016/j.jtcvs.2019.07.094. Epub 2019 Aug 28.

Zipfel N, Groenewoud AS, Rensing BJWM, Daeter EJ, Dijksman LM, Dambrink JE, van der Wees PJ, Westert GP, van der Nat PB.

Selecting interventions to improve patient-relevant outcomes in health care for aortic valve disease – the Intervention Selection Toolbox.

BMC Health Services Research 2020; 20: 232.

Overige publicaties 2020

Zorginstituut Nederland.

De Personal Health Train in de zorg. Verhalen uit de praktijk.

Den Haag, 2020. Hoofdstuk 6 De Nederlandse Hart Registratie.

EIT Health.

Implementing value-based health care in Europe.

Handbook for pioneers (Director: Gregory Katz), 2020. Case studie: The Netherlands Heart Registry.

2019

Externe publicaties 2019

Veen KM, Mokhles MM, Braun J, Versteegh MIM, Bogers AJJC, Takkenberg JJM, on the behalf of the data registry committee of the Netherlands Association for Cardio-Thoracic Surgery.

Male–female differences in characteristics and early outcomes of patients undergoing tricuspid valve surgery: a national cohort study in the Netherlands.

European Journal of Cardio-Thoracic Surgery; 2019;55:859–66.

Siregar S, Nieboer D, Versteegh MIM, Steyerberg EW, Takkenberg JJM.

Methods for updating a risk prediction model for cardiac surgery: a statistical primer.

Interactive CardioVascular and Thoracic Surgery; 2019; 28: 333-338.

Blokzijl F, Houterman S, Van Straten BHM, Daeter E, Brandon Bravo Bruinsma GJ, Dieperink W, Reneman MF, Keus F, Van der Horst ICC, Mariani MA.

Quality of life after coronary bypass – a multicentre study of routinely-collected health data in the Netherlands.

European Journal of Cardio-Thoracic Surgery 2019; 56: 526-533.

Vendrik J, Van Mourik MS, Houterman S, Vis MM, Baan Jr. J; namens de publicatiegroep Nederlandse Hart Registratie.

Transkatheter aortaklepvanging (TAVI).

Nederlands Tijdschrift voor Geneeskunde 2019; 163:D4011.

