**Name**: Marjo Maas

**Birth date:** 22 april 1958

**Summary of qualifications**

**Education**

2012- 2017 PHD Radboud University Medical Center, Institute Quality of Healthcare, The Netherlands. Thesis: Say what you think, Show what you do. Feedback interventions to support self-regulated quality improvement in physical therapy.

2007 – 2009 Master Health Professions Education, Maastricht University, The Netherlands.

Graduation *Cum Laude.*

1984 – 1986 Bachelor Health Professions Education, Maastricht University, The Netherlands.

1976 - 1980 Bachelor Physical Therapy, HAN University Nijmegen, The Netherlands.

1970-1976 VWO - pre-university Education, van der Putt Lyceum Eindhoven, The Netherlands.

**Professional experience**

2009 - present Senior researcher and program designer in the field of quality improvement in healthcare, Radboud University Medical Center, Institute Quality of Healthcare, Nijmegen, The Netherlands.

2009 - present Senior lecturer HAN University of Applied Sciences, Institute of Allied Health Professions, Nijmegen, the Netherlands.

2017- present Senior researcher and program designer in the field of quality improvement in higher health professions education. HAN University of Applied Sciences, Institute of Allied Health Professions, Nijmegen, the Netherlands.

2017 – present Auditor Netherlands-Flemish Accreditation Organization for higher education (NVAO) and Netherlands Quality Agency.

2018 – 2021 Guest lecturer on Implementation Science Master Program Physical Therapy, Saint Thomas University, Beirut, Libenon.

2018 – present Guest lecturer on implementation Science PhD program Translational Health Sciences, Washington University, USA.

2019 - present External examiner School of Allied Health Faculty of Education & Health Sciences

University of Limerick, Ireland.

1986 – 2009 Teacher at Han University, Institute of Allied Health Professions, department Physical Therapy, Nijmegen.

1985 - 2015 Manager private clinic for physical therapy The Goffert, Nijmegen, The Netherlands.

1980 - 1985 Physical therapist in primary care.

**Scientific Publications (ORCID** [ResearcherID: H-4169-2016](http://www.researcherid.com/rid/H-4169-2016))

1. Ophey M, Maas M, de Beer J (2006). Onderzoek naar de inhoudsvaliditeit van het performance assessment in de hoofdfase van de bacheloropleiding fysiotherapie [The content validity of performance assessment in physical therapy]. Tijdschrift voor Medisch Onderwijs, 25, (2), 88-95.
2. Maas MJM, Sluijsmans DM, van der Wees PJ, Heerkens YF, Nijhuis-van der Sanden MWG, van der Vleuten CPM. Why peer assessment helps to improve clinical performance in undergraduate physical therapy education: a mixed methods design. BMC Med Educ. 2014;14(1):117. <http://bmcmededuc.biomedcentral.com/articles/10.1186/s12909-015-0484-1>
3. van Dulmen SA, Maas MJ, Staal B, et al. Effectiveness of peer-assessment for implementing a Dutch physical therapy low back pain guideline: a cluster randomized controlled trial. Phys Ther. 2014;94(10):1396–1409.
4. Maas MJM, van Dulmen SA, Sagasser MH, et al. Critical features of peer assessment of clinical performance to enhance adherence to a low back pain guideline for physical therapists: a mixed methods design. BMC Med Educ. 2015;15(1):203. doi:10.1186/s12909-015-0484-1. <http://bmcmededuc.biomedcentral.com/articles/10.1186/s12909-015-0484-1>
5. Maas J, van der Wees P, Braam C, et al. An Innovative Peer Assessment Approach to Enhance Guideline Adherence in Physical Therapy: A Single-Masked, Cluster-Randomized Controlled Trial. Phys Ther. 2015;95(4):600–612.
6. Maas MJM, van ‘t Schilt T, van der Vleuten CPM. De Online Script Concordance Test om voortgang in klinisch redeneren te bevorderen van fysiotherapeuten in opleiding en in de beroepspraktijk. [The online script concordance test to enhance progress in clinical reasoning in education and professional practice]. Examens 2016; 2. <https://www.professioneelbegeleiden.nl/de-online-script-concordance-test>
7. Meerhoff GH, van Dulmen SA, Maas MJM et al. Implementation of the Dutch physical therapy quality program for patient reported outcomes measurement, an observational study. Physiotherapy 2016;102(1).
8. Staal B, van haren IN, Maas, MJM et al. Serious gaming voor het vergroten van de adherentie van fysiotherapeuten en manueel therapeuten aan de richtlijn lage rugpijn: Een gerandomiseerde gecontroleerde studie [Serious gaming to enhance adherence of physical therapists and manual therapists to a low back pain guideline: a randomised controlled trial]. Tijdschrift voor Gezondheidswetenschappen 2016:7.
9. Maas MJM, WG Nijhuis-van der Sanden MWG, Driehuis F, Heerkens YF, van der Vleuten CPM, van der Wees PJ. The feasibility of peer assessment and clinical audit to self-regulate the quality of physiotherapy services. A mixed methods study. BMJ-open 2017:7;1-10.
10. Meerhoff GA, van Dulmen SA, Maas MJM et al. Development and evaluation of an implementation strategy for collecting data in a national registry and the use of patient-reported outcome measures in physical therapist practices: quality improvement study. Phys Ther 2017:97(8):837-851. <https://www.ncbi.nlm.nih.gov/pubmed/28789466>.
11. Lankveld W, Maas M, van Wijchen J, Visser V, Staal B. Self-regulated learning in Physical Therapy education: a non-randomized experimental study comparing self-directed and instruction-based learning. BMC Med Educ. 2019 (1).DOI: 10.1186/s12909-019-1484-3
12. Otterman NM, Maas MJM, Schiemanck S, van der Wees PJ, Kwakkel G. Development and validity of an innovative test to assess guideline-consistent clinical reasoning by physical therapists in stroke rehabilitation. J Rehab Med 2019;51:418-425.
13. Maas MJM, Rutten G, van der Wees PJ, Nijhuis – van der Sanden RWG, van der Vleuten CPM. The utility of a script concordance test to self-direct continuous learning in physiotherapy education and professional practice. Submitted.
14. Maas MJM. Say what you think, show what you do. PhD-thesis Radboud University.

<https://repository.ubn.ru.nl/bitstream/handle/2066/181329/181329.pdf>

1. Meerhoff GA, Nijhuis-van der Sanden RA, van der Wees P. Exploring the perspective of patients with musculoskeletal health problems in primary care on the use of patient-reported outcome measures to stimulate quality improvement in physiotherapist practice; a qualitative study. Physiotherapy Theory and Practice, 2019.
2. Dekkers L, Satink, L, Nijhuis-van der Sanden M, de Swart Bm Maas M, Janssen A. Educational programs for learning to observe movement quality in physical therapy: a design-based research approach. Physiotherapy Theory and Practice, 2020. <https://www.tandfonline.com/doi/full/10.1080/09593985.2020.1712754>
3. Steenbruggen R, Hoogenboom T, Maas MJM, Brand P, van der Wees PJ. Development of quality indicators for departments of hospital-based physiotherapy: a modified Delphi study. BMJ Open, 2020:9 (2). <https://pubmed.ncbi.nlm.nih.gov/32576577/>
4. Steenbruggen R. van Heusen-Scholtalbers LAG, Hoogeboom TJ, Maas M, Brand P, van der Wees P. Impact and feasibility of a tailor-made patient communication quality improvement programme for hospital-based physiotherapists: a mixed-methods study. BMJ Open. 2020. <https://bmjopenquality.bmj.com/content/10/2/e001286.full>
5. Steenbruggen R, Maas MJM, Hoogeboom T, Brand PL, van der Wees PJ. The application of the tracer method with peer observation and formative feedback for professional development in clinical practice: a scoping review. Perspectives on Medical Education 2021.
6. Steenbruggen A, Dolleman G, van Heusen-Schotalbers L, Maas M, Hoogeboom T, Brand P, van der Wees P. Quality apsects of hospital-based physiotherapy from the perspective of key stakeholders: a qualitative study. BMJ open. 2022. <https://bmjopenquality.bmj.com/content/11/2/e001843>
7. Veltman J, Maas MJM, Beijk C, Groenhuis AYM, Versnel H, Vissers C, Huinck W, Hoetink AE. Development of the Musi-CI training, a musical hearing training for CI users: a participatory action research approach. Submitted
8. Steenbruggen R, Maas MJM, Hoogenboom T, Brand PL, van der Wees PJ. A framework to improve quality of hospital-based physiotherapy: a design-based research study. Submitted.
9. Vullings N, Heinen M, Adriaansen M, Vermeulen H, van der Wees P, Maas M. Developing and testing a reflection method for guideline-based reporting in community nursing: a participatory design-based research approach. Submitted
10. Smeekes L, Verburg A, van der Wees P, Maas M, van Heerde R, Kerkhof A. Feasibility of a quality improvment program based on routinely collected health outcomes in Dutch primary care physical therapist practice: a mixed methods study. Submitted.

**General publications**

1. Van Enck H, Maas M, Biermans P. (1993). De fysiotherapeutische anamnese. [The pysical therapist anamnesis].Transferpunt Vaardigheidsonderwijs. ISBN: 90-5475-014-6
2. Van Enck H, Maas M, Biermans P (1994). De fysiotherapeutische behandeling [The physical therapist treatment]. Transferpunt Vaardigheidsonderwijs. ISBN: 90-5475-029-4
3. Maas MJM (2016). Script Concordance Test: Klinisch redeneren in onderwijs en beroepspraktijk (Script Concordance Test: clinical reasoning in undergraduate education and professional practice). Fysiopraxis 2016;2. <https://issuu.com/kngfdefysiotherapeut/docs/fysiopraxisfeb1-2016-def/13>
4. Maas MJM. Say what you think, show what you do. Ned Tijd Geriatriefysiotherapie 2018;6.
5. Dijkstra A, Maas M, Kersbergen R. Lerend werken aan toetskwaliteit. Onderwijsinnovatie 2018. <http://open-universiteit.instantmagazine.com/onderwijs-innovatie/oi-oktober-18/lerend-werken-aan-toetskwaliteit/>
6. Maas M, Dijkstra A. Themagerelateerde toetsverbetering als fundament voor BKE-/SKE- gerelateerde toetsbekwaamheidsontwikkeling. Examens, 2020;1. <https://www.professioneelbegeleiden.nl/examens-2020-01-volledige-uitgave>
7. Case Studies of Self- and Peer assessment to improve quality.

[Physiotherapy Alberta College + Association : The Movement Specialists: Continuing Competence: Case Study of Self/Peer Assessment and Clinical Audit to Improve Quality](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.physiotherapyalberta.ca%2Fphysiotherapists%2Fnews%2Fcontinuing_competence_case_study_of_self_peer_assessment_and_clinical_audit_to_improve_quality&data=04%7C01%7CMarjo.Maas%40han.nl%7C1b141dd29f7d4cd8d6cc08d8e2216906%7C5d73e7b7b3e14d00b303056140b2a3b4%7C0%7C0%7C637507980435360415%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=WarFRWPHMzWWf3EimzArzg4qlpcQYh9jShFSmn8REXI%3D&reserved=0)

[Physiotherapy Alberta College + Association : The Movement Specialists: Continuing Competence Theory: Impact of Self and Peer Assessment on Communication and Clinical Recordkeeping](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.physiotherapyalberta.ca%2Fphysiotherapists%2Fnews%2Fcontinuing_competence_theory_impact_of_self_and_peer_assessment_on_communication_and_clinical_recordkeeping&data=04%7C01%7CMarjo.Maas%40han.nl%7C1b141dd29f7d4cd8d6cc08d8e2216906%7C5d73e7b7b3e14d00b303056140b2a3b4%7C0%7C0%7C637507980435360415%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2BpnCC4pXj4GUv1%2FR9ezKaHN2HCI%2B2bIl5mgPmnWhOFk%3D&reserved=0)

[Physiotherapy Alberta College + Association : The Movement Specialists: Continuing Competence Theory: Effectiveness of Peer Assessment for Implementing a Low Back Pain Guideline](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.physiotherapyalberta.ca%2Fphysiotherapists%2Fnews%2Fcontinuing_competence_theory_effectiveness_of_peer_assessment_for_implementing_a_low_back_pain_guideline%3F&data=04%7C01%7CMarjo.Maas%40han.nl%7C1b141dd29f7d4cd8d6cc08d8e2216906%7C5d73e7b7b3e14d00b303056140b2a3b4%7C0%7C0%7C637507980435370373%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=8TJHe%2FLvEfWuHkjmq5tHWI0Hg8BZm9oTYbQ6iNxRgIM%3D&reserved=0)

1. Maas M, van Heerde R, van der Wees P: De ontwikkeling, uitvoering en evaluatie van een intervisiemodule Interprofessioneel Leren en Werken binnen ParkinsonNet. Radboudumc IQ-Healthcare ( 2020) <https://www.radboudumc.nl/research>
2. Veltman J, Maas M. Rapportage Project Musi-Ci. ZonMw ‘Voor Elkaar’ 2021. <https://www.radbdoumc.nl/research>

**BOOKS**

1. Maas M. van Eck M. De professional aan het woord. In: Ettema R. en Beijer L. Red. Integratie en innovatie in zorg en welzijn. Concept Uitgeefgroep. 2021.
2. Maas MJM, Haverman L. Meetinformatie gebruiken in de praktijk. In: Meten in de Praktijk. 3e druk. Houten: Bohn Stafleu. 2020.

**BLOGS**

* + - 1. Wil je klinisch redeneren toetsen? Stop dan met het zoeken naar het juiste antwoord.

<https://communities.surf.nl/artikel/wil-je-klinisch-redeneren-toetsen-stop-dan-met-zoeken-naar-het-juiste-antwoord>

* + - 1. De online Script Concordance Test ontwikkelt studenten, docenten en de beroepspraktijk. <https://www.surf.nl/files/2019-03/innovatieregeling-toetsen---project-osct-fysiotherapie.pdf>
      2. 7 tips voor de ontwikkeling van een feedbackcultuur. <https://lerenvantoetsen.nl/blog/>
      3. Wat je ziet en wat je raakt: feedback als creatief proces. <https://lerenvantoetsen.nl/blog/>