

Publication list Dr. Christian Müller

Original Publications

- Schaarschmidt, M.; Engelhard, J.; Heitmann, K.; Hitzbleck, J.; Kalra, D.; Leemhuis, J.; Maassen, O.; Meuth, S.; **Mueller, C.**; Piehler, E.; Quast, K.; Reinelt, J.; Schoebel, M.; Thierbach, K.; Vaitsiakhovich, T.; Thun, S.; A Common Data Model in Europe for prostate cancer, cardiovascular and neurodegenerative diseases. npj Digital Medicine 2026 - submitted
- Prantauer, V.; Leemhuis, J.; Burmann, A.; **Müller, C.**; Hübner, M.; Bader, M.; Kloor, M.; Ziemssen, T.; Meuth, S.; Blankenberg, S.; Schaarschmidt, M.; Khanna, A.; Maassen, O.; Urban, M.; Muck, J.; Moertl, B.; Wendel, M.; Broich, C.; Kuchenmüller, T.; Thirstrup, S.; Kalra, D.; Thun, S. Collaborative Digital Health Data Space to inform Patients-Germany's patient-centric ambition as part of the European Health Data Space (EHDS). The Lancet Digital Health 2026 – submitted
- **Müller, C.**; Kari, A.; Muck, J.; Meergans, M.; Maaßen, O.; Doppeldokumentation beenden, Versorgungsdaten besser nutzen - Warum Deutschland jetzt eine EHR2EDC-Strategie für nichtinterventionelle Forschung und Sekundärdatennutzung braucht. Market Access & Health Policy 2026 – submitted
- **Mueller, C.**; Kari, A.; Schurig, T.; Gersch, M.; The Future of Non-Interventional Studies: Transformation of Data-Producing Arrangements Through EHR2EDC and Health Data Space Services. Journal of Service Management Research 2026 - accepted
- **Mueller, C.**; Neusser, T.; Thate-Waschke, I.; Nowicki, J.; Plominski, T.; Griesinger, R.; Kessner, S.; Martin, S.; Disease Awareness in Patients With Type 2 Diabetes: Analysis of Baseline Data From the SMART-Finder Observational Study. JMIR Form Res 2025; vol. 9; e60246; doi: [10.2196/60246](https://doi.org/10.2196/60246)
- **Müller, C.**; Herrmann, P.; Cichos, S.; Remes, B.; Junker, E.; Hastenteufel, T.; Mundhenke, M. Automated Electronic Health Record to Electronic Data Capture Transfer in Clinical Studies in the German Health Care System: Feasibility Study and Gap Analysis. J Med Internet Res 2023; 25:e47958 doi: [10.2196/47958](https://doi.org/10.2196/47958)
- Christian Enders, C.; Duncker, T.; Schürks, M.; Scholz, P.; Dörner, J.; **Müller, C.**; Wachtlin, J.; Lommatzsch, A.; See clearer: survey on the subjective and objective information levels as well as perception and information transfer using virtual reality headsets in patients with diabetic macular edema receiving anti-VEGF treatment. Graefe's Archive for Clinical and Experimental Ophthalmology 2022; doi.org/[10.1007/s00417-022-05942-w](https://doi.org/10.1007/s00417-022-05942-w)
- **Müller, C.**; Schauerte, I.; Martin, S.; Irrgang, V. Evaluation of Self-care Activities and Quality of Life in Patients With Type 2 Diabetes Treated With Metformin Using the 2D Matrix Code of Outer Drug Packages as Patient Identifier: the DePRO Proof-of-Concept Observational Study. JMIR Diabetes 2022;7(2):e31832 doi: [10.2196/31832](https://doi.org/10.2196/31832)
- Limmroth, V.; Bayer-Gersmann, K.; **Müller, C.**; Schürks, M.; Ascertaining Medication Usage and Patient-Reported Outcomes via an App and Exploring Gamification in Patients With Multiple Sclerosis Treated With Interferon Beta-1b: an Observational Study. JMIR Formative Research 2022 Mar 14;6(3):e31972. doi: [10.2196/31972](https://doi.org/10.2196/31972).
- **Müller, C.**; Schauerte, I.; Martin, S.; User experience testing of my ePRO app in a diabetes mellitus type 2 focus group. International Journal of Clinical and Experimental Medical Sciences 2022; 8(1): 1 – 8, DOI: [10.11648/j.ijcems.20220801.11](https://doi.org/10.11648/j.ijcems.20220801.11)

- Stollfuss, B.; Richter M.; Drömann, D.; Klose, H.; Schwaiblmair, M.; Gruenig, E.; Ewert, R.; Kirchner, M.; Kleinjung, F.; Irrgang, V.; **Müller, C.** Digital Tracking of Physical Activity, Heart Rate, and Inhalation Behavior in Patients With Pulmonary Arterial Hypertension Treated With Inhaled Iloprost: Observational Study (VENTASTEP) JMIR 2021 Oct 8;23(10):e25163. doi: [10.2196/25163](https://doi.org/10.2196/25163).
- **Müller, C.**; Hengstmann, U.; Fuchs, M.; Kirchner, M.; Kleinjung, F.; Mathis, H.; Martin, S.; Bläse, I.; Perings, S. Distinguishing atrial fibrillation from sinus rhythm using commercial pulse detection systems: the non-interventional BAYathlon study. Digital Health; 2021 May 22;7:20552076211019620. doi: [10.1177/20552076211019620](https://doi.org/10.1177/20552076211019620). eCollection Jan-Dec 2021
- **Müller, C.**; Schauerte, I.; Martin, S.; Evaluation of Self-Care Activities and Quality of Life in Patients with Diabetes Type 2 Treated With Metformin Using the 2D Matrix Code of Outer Drug Packages as Patient Identifier: Protocol for the DePRO Proof-of-Concept Observational Study JMIR Res Protoc 2021 Jan 11;10(1):e21727. doi: [10.2196/21727](https://doi.org/10.2196/21727).
- Ullmann, E.; **Müller, C.**; Humor: Auf die Dosis kommt es an. Dtsch Arztebl 2020; 117(41): A-1934 / B-1642; aerzteblatt.de
- Limmroth, V.; Hechenbichler, K.; **Müller, C.**; Schürks, M. Assessment of Medication Adherence Using a Medical App Among Patients With Multiple Sclerosis Treated With Interferon Beta-1b: Pilot Digital Observational Study (PROmyBETAapp). J Med Internet Res. 2019 Jul 29;21(7):e14373. doi: [10.2196/14373](https://doi.org/10.2196/14373).
- **Müller, C.**; Stollfuss, B.; Roitenberg, A.; Harder, J.; Richter, M. J.; Evaluation of Clinical Outcomes and Simultaneous Digital Tracking of Daily Physical Activity, Heart Rate, and Inhalation Behavior in Patients with Pulmonary Arterial Hypertension Treated with Inhaled Iloprost: Design of the Observational VENTASTEP Study. JMIR Res Protoc. 2019 Apr 15;8(4):e12144. doi: [10.2196/12144](https://doi.org/10.2196/12144).
- Richter M. J.; Stollfuß, B.; Roitenberg, A.; Kleinjung, F.; Graeff, V.; Berghaus, S.; **Müller, C.**; Ghofrani, H.-A.; Switching inhaled iloprost formulations in patients with pulmonary arterial hypertension: The VENTASWITCH Trial. Pulm Circ. 2018 Oct-Dec;8(4):2045894018798921. doi: [10.1177/2045894018798921](https://doi.org/10.1177/2045894018798921).
- Wohlrab, J.; Voß, F.; **Müller, C.**; Brenn, L.; The use of local concentrated heat versus topical acyclovir for herpes labialis outbreak: results of a pilot study under real life conditions. Clin Cosmet Investig Dermatol 2013; 6:1-9 ; doi: [10.2147/CCID.S49273](https://doi.org/10.2147/CCID.S49273)
- Rzany, B.; **Müller, C.**; Hund, M; Focal hyperhidrosis. Quality of life, socioeconomic importance and use of internal medicinal therapy. Hautarzt. 2012; 63(6):456-61; doi: [10.1007/s00105-012-2331-1](https://doi.org/10.1007/s00105-012-2331-1)
- **Müller, C.**; Berensmeier, A.; Hamm, H.; Dirschka, S.; Reich, K.; Fischer, T.; Rzany, B.; Efficacy and safety of methantheline bromide (Vagantin®) in axillary and palmar hyperhidrosis: results from a multicenter, randomized, placebo-controlled trial. JEADV 2012 Sep 25. doi: [10.1111/j.1468-3083.2012.04708.x](https://doi.org/10.1111/j.1468-3083.2012.04708.x).
- **Müller, C.**, Augustin, M., Willingness-to-pay and patient defined benefits in the treatment of hyperhidrosis - results from the first German health services research study in hyperhidrosis. Br J Dermatol 2012; Jul 14. doi: [10.1111/j.1365-2133.2012.11150.x](https://doi.org/10.1111/j.1365-2133.2012.11150.x).
- **Müller, C.**, Lötsch, J., Giessmann, T., Franke, G., Zschiesche, M., Siegmund W. Relative bioavailability and pharmacodynamic effects of methantheline compared

with atropine in healthy subjects. Eur J Clin Pharmacol 2012; 68(11):1473-81 ; doi: [10.1007/s00228-012-1286-6](https://doi.org/10.1007/s00228-012-1286-6)

- **Müller, C.**, Großjohann B, Fischer L. The use of concentrated heat after insect bites/stings as an alternative to reduce swelling, pain, and pruritus: an open cohort-study at German beaches and bathing-lakes. Clin Cosmet Investig Dermatol. 2011;4:191-196; doi: [10.2147/CCID.S27825](https://doi.org/10.2147/CCID.S27825)

Book Sections

- **Müller, C.**; Bachmann, C.; Kamudoni, P.; Pay for performance? – is quality of life considered in decision making process of treatment choice for patients with primary focal hyperhidrosis? A review of epidemiology, guidelines, treatment options, quality of life instruments and treatment costs. In Hyperhidrosis: Causes, Treatment Options and Outcomes. Ed. Huddle R. J.; Nova Science Publishers 2014; 65-96

Lectures

- **Müller, C.** Hyperhidrose Versorgungsforschung - Ergebnisse der ersten nationalen Pilotstudie; DDG-Kongress, Dresden, 1.4.2011
- **Müller, C.** 4-week-methantheline bromide treatment reduces axillary sweat gravimetry and disease-specific (HDSS) as disease-unspecific (DLQI) quality of life scores in a cohort of 267 hyperhidrosis patients. EADV spring symposium 7.6.2012; Verona
- **Müller, C.** Arzneimittelforschung und -entwicklung - Phase 1, RCT, NIS, PASS... DEB Lörrach; 19.12.2013
- **Müller, C.** Digital transformation of non-interventional studies - Unused Big Data in Clinical Setting; EpiForum Amsterdam 10.10.2016; <https://2016-epiforum.eventify.it/>
- **Müller, C.** Real-world evidence generation using WEARABLES in digital research ecosystems. Wearables Technologies Conference; München 06.02.2019
- **Müller, C.** Wearables and Patient Reported Outcomes in Research and Post-Market Surveillance; ESC CRT Plenary Meeting; Tallin 04.10.2019
- **Müller, C.** my ePRO app - Digitalization in Data Capturing Impacts Scalability of Patient Recruitment. EpiForum; Digital 06.10.2020; <https://lsacademy.com/en/product/european-epidemiological-forum/>

Poster

- Kamudoni, P.; Salek, S.; Müller, B.; **Müller C.**; Breitkopf S.; A tool box for outcomes research: the case of hyperhidrosis. BPI-Unternehmertag, Berlin, 22.3.2011
- **Müller, C.** „Hyperhidrose – die fachärztliche Versorgung aus Sicht von Patient und Arzt“, Deutscher Kongress für Versorgungsforschung, P6/5; 20.10.2011, Köln, <http://www.egms.de/static/en/meetings/dkvf2011/11dkvf118.shtml>

- Wohlrab, J., Finke, R., Franke, W.G., **Müller, C.**, Wohlrab, A. Studie zur Wirksamkeit von Hyaluronidase als Diffusionspromotor für Lidocain bei der Infiltrationsanästhesie der Haut. NDG-Tagung Magdeburg 2011
- **Müller, C.**, Brenn, L.C. The use of concentrated heat improves burning, itching, swelling and quality of life during recurrence episodes of herpes labialis – results of a pharmacy based prospective, double-arm, observational cohort study with either acyclovir ointment or Herpotharm® treatment under real life conditions. 17. Jahrestagung der Gesellschaft für Dermopharmazie, 23.3.2013, Mainz
- Limmroth, V., **Müller, C.**, Schürks, M. Medication adherence ascertained by a digital observational study approach using a medical app: a pilot study among patients with multiple sclerosis treated with interferon beta-1b. International Society for Pharmacoeconomics and Outcomes Research 21st European Congress, 10–14 November 2018, Barcelona, Spain