

Curriculum Vitae

Keisuke Hanada

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Contact Information

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Working Experience

- **2025/4 - Present:** Assistant Professor,
Faculty of Medicine, Wakayama Medical University
 - **2024/4 - 2025/3:** Specially Appointed Assistant Professor,
Graduate School of Engineering Science, Osaka University
 - **2019/4 - 2024/2:** Biostatistician,
Biometrics Department, Kyowa Kirin Co., Ltd
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Education

- **2020/4 - 2024/3:** Ph.D. in Data Science, Shiga University
Supervisor: Dr. Tomoyuki Sugimoto
 - **2017/4 - 2019/3:** M.S. in the Graduate School of Science and Engineering, Kagoshima University
Supervisor: Dr. Tomoyuki Sugimoto
 - **2013/4 - 2017/3:** B.Sc. Tech. in Faculty of Science and Technology, Hirosaki University
Supervisor: Dr. Kimitoshi Tsutaya
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Research Publications

Peer-Reviewed Methodological Articles

1. Kojima, M., Orihara, S., Hanada, K., & Ohigashi, T. (2026). Sample size re-estimation in blinded hybrid-control design using inverse probability weighting. *Statistics in Medicine*, 45(3-5), e70429.
2. Kojima, M., Mano, H., Yamada, K., Hanada, K., Tanaka, Y., & Moriya, J. (2025). Adjusting confidence intervals under covariate-adaptive randomization in non-inferiority and equivalence trials. *Contemporary Clinical Trials*, 158, 108099.
3. Hanada, K., Moriya, J., & Kojima, M. (2024). Comparison of baseline covariate adjustment methods for restricted mean survival time. *Contemporary Clinical Trials*, 138, 107440.
4. Hanada, K., & Sugimoto, T. (2024). Meta-Analysis for Time-to-event Outcome Based on Restored Individual Participant Data and Summary Statistics. *Japanese Journal of Biometrics*, 45(1), 115-131. (in Japanese)
5. Hanada, K., & Sugimoto, T. (2023). Inference using an exact distribution of test statistic for random-effects meta-analysis. *Annals of the Institute of Statistical Mathematics*, 75(2), 281-302.

Clinical Researches

1. Kitadani, J., Hayata, K., Goda, T., Tominaga, S., Fukuda, N., Nakai, T., Nagano, S., Hanada, K., & Kawai, M. (2026). Impact of intraoperative nerve integrity monitoring on recurrent laryngeal nerve paralysis in minimally invasive esophagectomy for esophageal cancer: a propensity score-matched analysis. *Surgical Endoscopy*, 1-10.
2. Hirano, S., Hanada, K., & Maeda, H. (2025). Potential surrogate endpoint for B-cell hematologic malignancy: A systematic review and meta-analysis. *Scientific reports*, 19300.

Preprints

1. Yamada, K., Sunami, H., Takeda, K., Hanada, K., & Kojima, M. (2026). Hybrid Non-informative and Informative Prior Model-assisted Designs for Mid-trial Dose Insertion. *arXiv preprint arXiv:2602.17995*.
2. Kojima, M., Hanada, K., & Sato, A. (2025). A Clustering Approach for Basket Trials Based on Treatment Response Trajectories. *arXiv preprint arXiv:2511.09890*.
3. Hanada, K., & Sugimoto, T. (2025). Random-effects meta-analysis via generalized linear mixed models: A Bartlett-corrected approach for few studies. *arXiv preprint arXiv:2508.08758*.
4. Hanada, K., & Sugimoto, T. (2024). Moment-based Random-effects Meta-analysis Equipped with Huber's M-Estimation. *arXiv preprint arXiv:2407.04446*.
5. Hanada, K., & Kojima, M. (2024). Bayesian Parametric Methods for Deriving Distribution of Restricted Mean Survival Time. *arXiv preprint arXiv:2406.06071*.
6. Hanada, K., & Kojima, M. (2024). Random Effect Restricted Mean Survival Time Model. *arXiv preprint arXiv:2401.02048*.

Software and R Packages

1. **rmstBayespara**: Bayesian Restricted Mean Survival Time for Cluster Effect. R package. Available at: <https://cran.r-project.org/web/packages/rmstBayespara/>
2. **metaMest**: meta-analysis by M-estimator based approach. R package. Available at: <https://github.com/keisuke-hanada/metaMest>

Conference Presentations

1. Hanada, K., & Sugimoto, T. (2025). Random-effects meta-analysis via generalized linear mixed models (GLMMs) for few studies, *The 13th Conference of the IASC-ARS*, Ho Chi Minh City.
 2. Hanada, K., & Kojima, M. (2025). Integrate Meta-analysis into Specific Study for Estimating Conditional Average Treatment Effect, *Joint Statistical Meeting 2025*, Nashville.
 3. Hanada, K., & Sugimoto, T. (2019). Non-Asymptotic Properties and Behaviors for Random-Effects Meta-Analysis When the Number of Studies Is Small, *The VI-th International Symposium on Biopharmaceutical Statistics*, Kyoto.
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Grants and Funding

- **2026/5 - 2031/3**: Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Early-Career Scientists [Principal Investigator]
 - **2024/7 - 2026/3**: Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Research Activity Start-up [Principal Investigator]
 - **2024/4 - 2027/3**: Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for Scientific Research (C) [Co-Investigator]
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Awards

1. Best Presentation Award for Young Researcher (regular membership category), Annual meeting of The Biometric Society of Japan, 2025.
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Academic Service

- **Peer Review**
 - Japanese Journal of Statistics and Data Science
 - Journal of the Royal Statistical Society: Series C (Applied Statistics)
 - Journal of the Japan Statistical Society, Japanese Issue
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