# 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 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. 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. 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.
2. Hanada, K., & Sugimoto, T. (2024). Moment-based Random-effects Meta-analysis Equipped with Huber's M-Estimation. *arXiv preprint* arXiv:2407.04446.
3. Hanada, K., & Kojima, M. (2024). Bayesian Parametric Methods for Deriving Distribution of Restricted Mean Survival Time. *arXiv preprint* arXiv:2406.06071.
4. 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

- **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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