

# Stanford

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## Johannes O Ferstad

- Ph.D. Student in Management Science and Engineering, admitted Autumn 2019
- Masters Student in Management Science and Engineering, admitted Summer 2021

### Publications

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#### PUBLICATIONS

- **Smart Start - Designing Powerful Clinical Trials Using Pilot Study Data.** *NEJM evidence*  
Ferstad, J. O., Prahalaad, P., Maahs, D. M., Zaharieva, D. P., Fox, E., Desai, M., Johari, R., Scheinker, D.  
2024; 3 (2): EVIDoa2300164
- **The evolving role of data & safety monitoring boards for real-world clinical trials.** *Journal of clinical and translational science*  
Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J. O., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al  
2023; 7 (1): e179
- **A quantitative model to ensure capacity sufficient for timely access to care in a remote patient monitoring program.** *Endocrinology, diabetes & metabolism*  
Chang, A., Gao, M. Z., Ferstad, J. O., Dupenloup, P., Zaharieva, D. P., Maahs, D. M., Prahalaad, P., Johari, R., Scheinker, D.  
2023: e435
- **Disparities in Hemoglobin A1c Levels in the First Year After Diagnosis Among Youths With Type 1 Diabetes Offered Continuous Glucose Monitoring.** *JAMA network open*  
Addala, A., Ding, V., Zaharieva, D. P., Bishop, F. K., Adams, A. S., King, A. C., Johari, R., Scheinker, D., Hood, K. K., Desai, M., Maahs, D. M., Prahalaad, P.  
2023; 6 (4): e238881
- **The Association between Patient Characteristics and the Efficacy of Remote Patient Monitoring and Messaging**  
Ferstad, J., Prahalaad, P., Maahs, D. M., Fox, E., Johari, R., Scheinker, D.  
AMER DIABETES ASSOC.2022
- **A Platform for the Personalized Management of Diabetes and Cardiovascular Disease at Population Scale With Data From Multiple Sensors AHA**  
Senanayake, R., Ferstad, J. O., Thapa, I., Giannarino, F., Vasu, M., Zaharieva, D., Prahalaad, P., Maahs, D. M., Rosenthal, D. N., Rodriguez, F., Bambos, N., Miller, D., Shin, et al  
2022
- **Adding glycemic and physical activity metrics to a multimodal algorithm-enabled decision-support tool for type 1 diabetes care: Keys to implementation and opportunities.** *Frontiers in endocrinology*  
Zaharieva, D. P., Senanayake, R., Brown, C., Watkins, B., Loving, G., Prahalaad, P., Ferstad, J. O., Guestrin, C., Fox, E. B., Maahs, D. M., Scheinker, D.  
2022; 13: 1096325
- **Population-level management of Type 1 diabetes via continuous glucose monitoring and algorithm-enabled patient prioritization: Precision health meets population health.** *Pediatric diabetes*  
Ferstad, J. O., Vallon, J. J., Jun, D., Gu, A., Vitko, A., Morales, D. P., Leverenz, J., Lee, M. Y., Leverenz, B., Vasilakis, C., Osmanliiu, E., Prahalaad, P., Maahs, et al  
2021
- **Stanford Medicine-Engineering Partnership Launches an Interactive Model to Facilitate COVID-19 Response Planning for Hospital and Regional Leaders (4/1)** *Health Management, Policy and Innovation (HMPi.org)*  
Ferstad, J. O., Gu, A., Lee, R. Y., Thapa, I., Schulman, K., Scheinker, D., Shin, A. Y.  
2020; 5 (1)

● **A model to forecast regional demand for COVID-19 related hospital beds**

Ferstad, J. O., Gu, A. J., Lee, R. Y., Thapa, I., Shin, A. Y., Salomon, J. A., Glynn, P., Shah, N. H., Milstein, A., Schulman, K., Scheinker, D.  
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