



## Mary E. Lough

Clinical Associate Professor, Medicine - Primary Care and Population Health

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### Bio

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Primary Care and Population Health

#### ADMINISTRATIVE APPOINTMENTS

- Clinical Nurse Specialist - Implementation Scientist, Stanford Health Care, (2022-2024)
- Nurse Scientist, Stanford Health Care, (2016-2022)
- Clinical Nurse Specialist: Critical Care, Stanford Health Care, (2001-2016)

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### Publications

#### PUBLICATIONS

- **Machine learning evaluation of inequities and disparities associated with nurse sensitive indicator safety events.** *Journal of nursing scholarship : an official publication of Sigma Theta Tau International Honor Society of Nursing*  
Georgantes, E. R., Gunturkun, F., McGreevy, T. J., Lough, M. E.  
2024
- **Stir-up Regimen After General Anesthesia in the Postanesthesia Care Unit: A Nurse Led Stepped Wedge Cluster Randomized Control Trial.** *Journal of perianesthesia nursing : official journal of the American Society of PeriAnesthesia Nurses*  
Chen, L., Glatt, E., Kerr, P., Weng, Y., Lough, M. E.  
2023
- **Critical Bias in Critical Care Devices.** *Critical care clinics*  
Charpignon, M., Byers, J., Cabral, S., Celi, L. A., Fernandes, C., Gallifant, J., Lough, M. E., Mlombwa, D., Moukheiber, L., Ong, B. A., Panitchote, A., William, W., Wong, et al  
2023; 39 (4): 795-813
- **A STANDARDIZED STIR-UP REGIMEN SHORTENS PHASE I RECOVERY TIME IN PACU**  
Chen, L., Glatt, E., Weng, Y., Kerr, P., Lough, M. E.  
ELSEVIER SCIENCE INC.2023: E26
- **A Method to Explore Variations of Ventilator-Associated Event Surveillance Definitions in Large Critical Care Databases in the United States.** *Critical care explorations*  
Wong, A. I., Kim, H., Charpignon, M. L., Carvalho, L., Monares-Zepeda, E., Madushani, R. W., Adhikari, L., Kindle, R. D., Kutner, M., Celi, L. A., Lough, M. E., Mireles-Cabodevila, E.  
2022; 4 (11): e0790
- **Nursing Workflow Change in a COVID-19 Inpatient Unit Following the Deployment of Inpatient Telehealth: An Observational Study Using a Real-Time Locating System.** *Journal of medical Internet research*  
Vilendrer, S., Lough, M. E., Garvert, D. W., Lambert, M. H., Lu, J. H., Patel, B., Shah, N. H., Williams, M. Y., Kling, S. M.  
2022

- **Clinical Ladders for Clinical Nurse Specialists It's Time!** *CLINICAL NURSE SPECIALIST*  
Lough, M. E.  
2022; 36 (2): 71-72
- **Analysis of Discrepancies Between Pulse Oximetry and Arterial Oxygen Saturation Measurements by Race and Ethnicity and Association With Organ Dysfunction and Mortality.** *JAMA network open*  
Wong, A. I., Charpignon, M., Kim, H., Josef, C., de Hond, A. A., Fojas, J. J., Tabaie, A., Liu, X., Mireles-Cabodevila, E., Carvalho, L., Kamaleswaran, R., Madushani, R. W., Adhikari, et al  
2021; 4 (11): e2131674
- **Village mentoring and hive learning: The MIT Critical Data experience.** *iScience*  
Cosgriff, C. V., Charpignon, M., Moukheiber, D., Lough, M. E., Gichoya, J., Stone, D. J., Celi, L. A.  
2021; 24 (6): 102656
- **EXTERNAL FEMALE URINARY CATHETER: IMPLEMENTATION IN THE EMERGENCY DEPARTMENT** *JOURNAL OF EMERGENCY NURSING*  
Root, N., Horigan, A. E., Lough, M. E.  
2021; 47 (1): 131–38
- **Nurse Practitioner-Directed Cardio-Diabetes Pilot Program** *JNP-JOURNAL FOR NURSE PRACTITIONERS*  
Bryant, E., Janaszek, K., Nejedly, M., Li, E., Bouvier, M., Schroeder, K., Khandelwal, A., Lough, M. E., Lamendola, C., Reisenberg, A., Purewal, S., Maron, D. J.  
2020; 16 (8): E123–E128
- **Registered nurses' experiences with urinary catheter insertion: A qualitative focus group study.** *Applied nursing research : ANR*  
Lough, M. E., Eller, S., Mayer, B.  
2020: 151293
- **Adapting rapid assessment procedures for implementation research using a team-based approach to analysis: a case example of patient quality and safety interventions in the ICU.** *Implementation science : IS*  
Holdsworth, L. M., Safaenili, N. n., Winget, M. n., Lorenz, K. A., Lough, M. n., Asch, S. n., Malcolm, E. n.  
2020; 15 (1): 12
- **CONTAMINATION IN ADULT MIDSTREAM CLEAN-CATCH URINE CULTURES IN THE EMERGENCY DEPARTMENT: A RANDOMIZED CONTROLLED TRIAL** *JOURNAL OF EMERGENCY NURSING*  
Lough, M. E., Shradar, E., Hsieh, C., Hedlin, H.  
2019; 45 (5): 488–501
- **Volume-Based Feeding in Enteral Nutrition: What About Diabetes?** *CRITICAL CARE NURSE*  
Lough, M. E.  
2017; 37 (4): 76–77
- **Transferring Scientific Knowledge Into Action at the Point of Care: Do We Have All the Facts?** *Clinical nurse specialist CNS*  
Lough, M. E., Rice, K. L.  
2016; 30 (6): 315-317
- **Evaluating optimal patient-turning procedures for reducing hospital-acquired pressure ulcers (LS-HAPU): study protocol for a randomized controlled trial** *TRIALS*  
Pickham, D., Ballew, B., Ebong, K., Shinn, J., Lough, M. E., Mayer, B.  
2016; 17
- **Legal and clinical issues in genetics and genomics.** *Clinical nurse specialist CNS*  
Lough, M. E., Seidel, G. D.  
2015; 29 (2): 68-70
- **Measurement of Thiamine Levels in Human Tissue** *B VITAMINS AND FOLATE: CHEMISTRY, ANALYSIS, FUNCTION AND EFFECTS*  
Zahr, N. M., Lough, M. E., Jung, Y., Sullivan, E. V.  
edited by Preedy, V. R.  
2013; 4: 227-251
- **Wernicke's Encephalopathy: Expanding the Diagnostic Toolbox** *NEUROPSYCHOLOGY REVIEW*  
Lough, M. E.

2012; 22 (2): 181-194

- **Collaborative Partnerships Between Critical Care and Psychiatry** *CRITICAL CARE NURSING CLINICS OF NORTH AMERICA*  
Lough, M. E., Klevay, A. M.  
2012; 24 (1): 81-?
- **Standardizing Neurological Assessment in an Adult Intensive Care Unit** *International Stroke Conference*  
Jensen, B. Y., Lough, M. E.  
LIPPINCOTT WILLIAMS & WILKINS.2011: E130–E130
- **Patient-focused care for the ventilator-dependent patient.** *Progress in cardiovascular nursing*  
Lough, M. E.  
1997; 12 (2): 41-2
- **Cross-training across acuity levels.** *Critical care nurse*  
Dirks, J. L., Lough, M. E., Moungey, S. J.  
1995; 15 (1): 68-74
- **Unit-based research in critical care nursing.** *Dimensions of critical care nursing : DCCN*  
Rizzuto, C., Lough, M. E., Palange, K.  
1990; 9 (3): 170-6
- **Quality of life for heart transplant recipients.** *The Journal of cardiovascular nursing*  
Lough, M. E.  
1988; 2 (2): 11-22
- **Impact of protection isolation on the incidence of infection after heart transplantation.** *journal of heart transplantation*  
Gamberg, P., Miller, J. L., LOUGH, M. E.  
1987; 6 (3): 147-149
- **IMPACT OF SYMPTOM FREQUENCY AND SYMPTOM DISTRESS ON SELF-REPORTED QUALITY-OF-LIFE IN HEART-TRANSPLANT RECIPIENTS** *HEART & LUNG*  
LOUGH, M. E., Lindsey, A. M., SHINN, J. A., Stotts, N. A.  
1987; 16 (2): 193-200
- **INTRODUCTION TO HEMODYNAMIC MONITORING** *NURSING CLINICS OF NORTH AMERICA*  
LOUGH, M. E.  
1987; 22 (1): 89-110
- **Left ventricular assist device as a bridge to heart transplantation: a case study.** *journal of heart transplantation*  
Williams, B. A., LOUGH, M. E., SHINN, J. A.  
1987; 6 (1): 23-28
- **NETWORKING AND WORKING WITH A MENTOR - KEYS TO ELICITING SUPPORT FOR CLINICAL RESEARCH AS A STAFF NURSE** *HEART & LUNG*  
LOUGH, M. E.  
1986; 15 (5): 525-527
- **Self-reported change in physical symptoms from cyclosporine-based therapy to azathioprine-based therapy in heart transplant recipients.** *journal of heart transplantation*  
LOUGH, M. E., Miller, J. L., Gamberg, P.  
1986; 5 (4): 322-326