

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Below is listing of telehealth-related research publications and presentations generated from MUSC since our COE funding. The first two sections indicate which presentations and publications directly relate to the COE workplan and funding, while the latter two include all MUSC telehealth-related articles. This broader list includes other telehealth research generated by our COE faculty and other MUSC colleagues working in the telehealth research space.

COE Workplan-related Publications

2020

Ford D, Harvey JB, McElligott J et al. (2020). Leveraging Health System Telehealth and Informatics Infrastructure to Create a Continuum of Services for COVID-19 Screening, Testing, and Treatment. *Journal of the American Medical Informatics Association*.

Graboyes, E. M., Maurer, S., Park, Y., Marsh, C. H., McElligott, J. T., Day, T. A., . . . Sterba, K. R. (2020). Evaluation of a novel telemedicine-based intervention to manage body image disturbance in head and neck cancer survivors. *Psycho-Oncology*.

Guille, C., Simpson, A. N., Douglas, E., Boyars, L., Cristaldi, K., McElligott, J., Brady, K. (2020). Treatment of Opioid Use Disorder in Pregnant Women via Telemedicine: A Nonrandomized Controlled Trial. *JAMA Network Open*, 3(1), e1920177-e1920177.

King, K., Ford, D., Haschker, M., Harvey, J., Kruis, R., & McElligott, J. (2020). Clinical and Technical Considerations of an Open Access Telehealth Network in South Carolina: Definition and Deployment. *Journal of Medical Internet Research*, 22(5), e17348.

Nadig, N. S., Hynden, L., Sterba, K., McElligott, J., Valenta, S., Warr, E., Beeks, R., & Ford, D. (2020). Preliminary Development of ‘Value Scorecards’ as an ICU Telemedicine Evaluation Tool. *Original Research Journal*.

Middleton, A., Simpson, K. N., Bettger, J. P., & Bowden, M. G. (2020). COVID-19 Pandemic and Beyond: Considerations and Costs of Telehealth Exercise Programs for Older Adults With Functional Impairments Living at Home—Lessons Learned from a Pilot Case Study. *Physical therapy*.

Obeid, J. S., Davis, M., Turner, M., Meystre, S. M., Heider, P. M., & Lenert, L. A. (2020). An AI approach to COVID-19 infection risk assessment in virtual visits: a case report. *Journal of the American Medical Informatics Association*.

Simpson, A. N., Harvey, J. B., DiLembo, S. M., Debenham, E., Holmstedt, C. A., Robinson, C. O., Ford, D. W. (2020). Population Health Indicators Associated with a Statewide Telestroke Program. *Telemedicine and e-Health*.

Williams Jr, D., Holmes, G. M., Song, P. H., Reiter, K. L., & Pink, G. H. For Rural Hospitals That Merged, Inpatient Charges Decreased and Outpatient Charges Increased: A Pre-/Post-Comparison of Rural Hospitals That Merged and Rural Hospitals That Did Not Merge Between 2005 and 2015. *The Journal of Rural Health*.

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Williams Jr, D., Reiter, K. L., Pink, G. H., Holmes, G. M., & Song, P. H. (2020). Rural Hospital Mergers Increased Between 2005 and 2016—What Did Those Hospitals Look Like? *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 57, 0046958020935666.

2019

Al Kasab, S., Almallouhi, E., Harvey, J. B., Girotra, T., Debenham, E., Turner, N., & Holmstedt, C. A. (2019). Long-Term Functional Outcome for Patients Treated under Drip and Stay versus Drip and Ship Paradigm: A Single Network Experience. *Journal of stroke*, 21(2), 224.

Almallouhi, E., Al Kasab, S., Harvey, J. B., Simpson, K. N., Turner, N., Debenham, E., & Holmstedt, C. A. (2019). Teleneurology network to improve access to neurologists for patients in rural areas: a real-world experience. *Telemedicine and e-Health*.

Almallouhi, E., Holmstedt, C. A., Harvey, J., Reardon, C., Guerrero, W. R., Debenham, E., . . . Al Kasab, S. (2019). Long-term functional outcome of telestroke patients treated under drip-and-stay paradigm compared with patients treated in a comprehensive stroke center: a single center experience. *Telemedicine and e-Health*, 25(8), 724-729.

Andrews, A. L., Nitchie, H. L., & Harvey, J. B. (2019). Parent Preferences for Methods and Content of Mobile Technology–Based Asthma Medication Adherence Intervention. *Hospital pediatrics*, 9(3), 209-215.

Bian, J., Cristaldi, K. K., Summer, A. P., Su, Z., Marsden, J., Mauldin, P. D., & McElligott, J. T. (2019). Association of a school-based, asthma-focused telehealth program with emergency department visits among children enrolled in South Carolina Medicaid. *JAMA pediatrics*, 173(11), 1041-1048.

Harvey, J., Al Kasab, S., Almallouhi, E., Guerrero, W. R., Debenham, E., Turner, N., . . . Holmstedt, C. A. (2019). Door to needle time and functional outcome for mild ischemic stroke over telestroke. *Journal of telemedicine and telecare*, 25(6), 365-369.

Johnson, E. E., Sterba, K. R., Goodwin, A. J., Warr, E. H., Beeks, R., Zapka, J. M., & Ford, D. W. (2019). Implementation of an Academic-to-Community Hospital Intensive Care Unit Quality Improvement Program. Qualitative Analysis of Multilevel Facilitators and Barriers. *Annals of the American Thoracic Society*, 16(7), 877-885.

Kirkland, E. B., DuBose-Morris, R., & Duckett, A. (2019). Telehealth for the internal medicine resident: A 3-year longitudinal curriculum. *Journal of telemedicine and telecare*, 1357633X19896683.

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Kristler, J., Cristaldi, K., Queenan, C., Garber, K., Wells, E., & McElligott, J. (2019). Caregiver Perceptions of Telehealth School-Based Health Centers. *Health Behavior and Policy Review*, 6(4):, 344-352.

Valenta, S., King, K., & Kruis, R. (2019). *Deploying HRSA Telehealth Center of Excellence Case Nationwide*. Paper presented at the Oral presentation at Converge2Xcelerate Conference, Boston, MA.

Williams, L.-M. S., Johnson, E., Armaignac, D. L., Nemeth, L. S., & Magwood, G. S. (2019). A Mixed Methods Study of Tele-ICU Nursing Interventions to Prevent Failure to Rescue of Patients in Critical Care. *Telemedicine and e-Health*, 25(5), 369-379.

2018

Al Kasab, S., Harvey, J. B., Debenham, E., Jones, D. J., Turner, N., & Holmstedt, C. A. (2018). Door to needle time over telestroke—A comprehensive stroke center experience. *Telemedicine and e-Health*, 24(2), 111-115.

Ford, D. W. (2018). State-of-the-Art Health Information Technology Meets Patient-centered Care. In: American Thoracic Society.

Nadig, N., Hynden, L., McElligott, J., Slenzak, D., Valenta, S., Warr, E., Ford, D. (2018). Value Scorecards as a Tele-ICU Evaluation Tool. In *A36. HOT TOPICS IN CRITICAL CARE MEDICINE* (pp. A1471-A1471): American Thoracic Society.

Player, M., O'Bryan, E., Sederstrom, E., Pinckney, J., & Diaz, V. (2018). Electronic visits for common acute conditions: evaluation of a recently established program. *Health Affairs*, 37(12), 2024-2030.

COE Workplan-related Presentations

2020

Al Kasab, S., Almallouhi, E., Abdul Rahman, L., Nahhas, M., Harvey, J., Debenham, E., . . . Holmstedt, C. A. (2020). *Impact of the extended window mechanical thrombectomy on tele stroke call volume in the post-DAWN and DEFUSE-3 era*. Paper presented at the Poster presentation at the International Stroke Conference, Los Angeles, CA.

Beeks, R., Harvey, J., Sedertrom, E., Kruis, R., & Valenta, S. (2020). *Overview of the Telehealth Service Implementation Model (TSIM™)*. Paper presented at the Poster presentation at the Mid-Atlantic Telehealth Resource Center Summit. Charlotte, NC.

DuBose-Morris, R., & Harvey, J. (2020). *Empowering telehealth education across telehealth professionals*. Paper presented at the Presentation Health Information Management Systems Society Global Conference, Orlando, FL.

Ford, D. (2020a). *Innovations in Telehealth to Improve Population Outcomes*. Paper presented at the Medical Grand Rounds, University of Wisconsin (Virtual Presentation).

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Ford, D. (2020b). *Value Scorecards as a Tele-ICU Evaluation Tool* Paper presented at the Speaker at American Telemedicine Association Phoenix, AZ (Virtual Conference)

Harvey, J., Ford, D., King, K., Beeks, R., Kruis, R., & McElligott, J. (2020). *Telehealth Outcomes Research: Show me the data* Paper presented at the Presentation at the Virtual American Telemedicine Association Annual Meeting.

Johnson, E., Sterba, K., Macgeorge, C., King, K., Teufel, R., Kruis, R., . . . Ford, D. (2020). *Telehealth Implementation Evaluation: A Framework for Measurement Strategies and Tools*. Paper presented at the American Telehealth Association Annual Meeting, Phoenix, AZ-Virtual.

King, K. (2020). *Telehealth Enabled Pandemic Response*. Paper presented at the Presentation as part of HRSA's Telehealth Learning Series: COVID-19 and Telehealth, Online.

Valenta, S. (2020). *Hospital Best Practices in Standing Up Telehealth During COVID-19*. Paper presented at the Presentation included in Palmetto Care Connections' COVID-19 Webinar Series., Online.

2019

Bian, J., Cristalidi, K., Summer, A., Su, Zemin., Marsden, J., Mauldin, P., McElligott, J. (2019). *Changes in Emergency Department Utilization Patterns Among Asthmatic Children with Access to School-Based Telehealth*. Paper presented at the Pediatric Academic Society Annual Meeting, Baltimore MA.

Dericke, D., Wallinger, C., Kirkland, E., Moran, W., & Slaughter, S. (2019). *Impact of RPM on 12-Month A1c Outcomes: An Innovative Approach to Diabetes Management*. Paper presented at the Poster session presented at: 7th Annual Telehealth Summit of South Carolina, Columbia, SC.

DuBose-Morris, R. (2019). *Building Telehealth Teams of the Future: Health Informatics Education to Promote Interprofessional Collaborative Practice*. Paper presented at the Presented at the American Medical Informatics Association 2019 Informatics Educators Forum, St. Louis.

DuBose-Morris, R. (2019). *Development of the South Carolina Center for Telehealth and its role in Education/Training of a Healthcare Workforce*. Paper presented at the Invited Plenary Speaker for the Oklahoma Telehealth Summit, Norman, OK.

DuBose-Morris, R. (2019). *Telehealth Education: Supporting a New Generation of Learners Through Curriculum Integration*. Paper presented at the Webinar presented as part of the HiMSS Technology Informatics Guiding Education Reform (TIGER) Virtual Learning Environment.

Cristaldi, K., National Telehealth Centers of Excellence: *Who are they and what do they do?* ATA. Chicago, IL. April 15, 2019.

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Feder L, Kirkland E, Rojewski A. *Provider Perceptions of Patient Capability in Technology-Assisted Case Management Program and Resulting Management of Hypertension Medications.* (2019). Poster

Harvey, J., Almallouhi, E., Al Kasab, S., Girotra, T., Turner, N., Debenham, E., & Holmstedt, C. (2019). *The impact of inpatient teleneurology follow-up consults for acute stroke.* Paper presented at the Poster presentation at the Annual Telehealth Summit of South Carolina. , Columbia, SC.

Harvey, J., McSwain, B., Simpson, K., & McSwain, D. (2019). *Economic footprint of pediatric telemedicine interventions.* Paper presented at the Panel Presentation at the 2019 SPROUT-SEARCH Conference, Chicago, IL.

Kreofsky, B., Schinasi, D., & DuBose-Morris, R. (2019). *Provider and patient education panel – Interprofessional telehealth education: Five years of workforce development outcomes.* Paper presented at the Panelist and Moderator for the National Telehealth Research Symposium, Chicago, IL.

Valenta, S., Harvey, J., & Ford, D. *Implementing a structured framework for enterprise adoption of telehealth service development and delivery.* Presentation at the 2019 American College of Healthcare Executives Congress. Chicago, IL. March 4-8, 2019.

Valenta, S., & Harvey, J. *Adapting ITIL for Effective Telehealth Service Management.* Presentation at the 2019 Health Information Management Systems Society Global Conference Orlando, FL. February 11-15, 2019.

2018

Al Kasab, S., Harvey, J., Readron, C., Anadani, M., Debenham, E., Turner, N., Aysse, P. & Holmstedt, C.A. *Long Term Functional Outcome of Intravenous Alteplase Administered Over Telestroke.* Moderated poster at the 2018 International Stroke Conference, Los Angeles, CA. January 2018.

Cristaldi, K., McElligott, J., *Changes in emergency Department Utilization Patterns Among Asthmatic Children with Access to School-Based Telehealth.* Presented at the Irish and American Pediatric Society, Galway, Ireland, December 2018.

Cristaldi, K., Garber, K., Wells, E., Stewart, R. *Implementation of a Multi-Disciplinary School-Based Telehealth Program: Nuts, Bolts, and Lessons Learned.* Oral presentation at the American Telemedicine Association Annual Conference, Chicago, IL. April 29-May 1, 2018.

Cristaldi, K., Wells, E., Garber, K., Stewart, R., *Building a Successful School-Based Telehealth Program.* Presented at the American Telemedicine Association, Chicago, IL, April 2018.

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Cristaldi, K., Stewart, R., *A Data-Driven, Precision Telehealth Program for Maximum Impact: Targeting Chronic Disease Through School-Based Telehealth*. Presented at the American Telemedicine Association, Chicago, IL, April 2018.

Diaz, V., Player, M., Sigmon, E. *Characteristics of Unresolved E-Visits in an Acute Care Telemedicine Program*. Presented at the 2018 American Telemedicine Association International Meeting, Chicago, IL. April 29-May 1, 2018.

Diaz, V., Player, M., Venancio, D., O'Bryan, E., Roach, C. (MS1 Student), Pickney, J., *Comparing In-Person vs. E-Visit Care for Common Acute Conditions*. North American Primary Care Research Group (NAPCRG) Annual Meeting, Chicago IL, November 2018.

Diaz, V., Player, M., Sigmon, E., Pinckney, J., Irick, W. (MS1 Student). *How to Better Serve Patients in Rural Areas Through Electronic Visits*. North American Primary Care Research Group (NAPCRG) Annual Meeting, Chicago IL, November 2018.

DuBose-Morris, R. & Rains, M. *Building new systems of care: Training the next generation on telehealth best practices*. Presented at the South Carolina Chapter of HIMSS Annual Fall Conference, Columbia, SC. November 9, 2018.

DuBose-Morris, R. & Harvey, J. *Building a foundation of telehealth quality through research and education*. Webinar presentation for the Quality Improvement Organizations Qsource, the External Quality Review Organization, (EQRO), for the state of TN and FL. November 2018.

Guille, C. *Telemedicine to Increase Assess to Medication Assisted Therapy for Opioid Use Disorder*. SC Governor's Opioid Summit, Columbia. SC. September 2018.

Guille, C. *Telemedicine for Perinatal Opioid Use Disorder*, American Psychiatric Association, NY, NY. May 2018.

Guille, C. *Treatment of Perinatal Opioid Use Disorder via Telemedicine*. 6th Annual Telehealth Summit of SC. Columbia, SC. 2018.

Harvey, J. *Overcoming the barriers to using telehealth data in research and practice*. Invited presentation at the International Conference on Health Policy Statistics, Charleston, SC. January 2018.

Harvey, J. *The Challenges of Telehealth Research: Targeting the Under-Recognized Barrier to Telehealth Adoption and Growth*. Presented at the 2018 American Telemedicine Association International Meeting, Chicago, IL. April 29-May 1, 2018.

MUSC Telehealth Center of Excellence

Grant # U66RH31458

Attachment: Publication and Presentation List (6/21/19 Submission)

Harvey, J. and Sigmon, E. *Overcoming the barriers to using telehealth data in quality improvement and program development*. Poster presented at the 6th Annual Telehealth Summit of South Carolina, Columbia, SC. March 2018.

McElligott, J., *Regionalized Telehealth Care and Academic Health Centers*. Association of Academic Health Centers 2018 Senior Administrator/Fiscal Officers meeting. Charleston, SC. July 13, 2018.

McElligott, J., *Improving Pediatric Health Access through Telehealth Solutions*. Webinar, Telemedicine and E-Health Journal webinar, September 18, 2018.

Player, M. *Health Affairs Press Release: Telehealth Issue Presentation. Electronic Visits For Common Acute Conditions: Evaluation Of A Recently Established Program*. National Press Club, Washington DC. December 4, 2018.

Simpson, A.N., Robinson, C.O.B., Harvey, J.I., Delimbo, S.M., Debenham, E., Holmstedt, C.A., Simpson, K.N., Ford, D.W. *A Population Health Approach to Measuring the Impact of a State-wide Teletroke Program*. Perry V. Halushka MUSC Student Research Day, November 2, 2018, Charleston, SC. November 2018.

Valenta, S., *Opportunities to Leverage Telehealth Within Your ACO Strategy*. Becker's 9th Annual Meeting (agenda included former presidents George W. Bush and Bill Clinton), Chicago, IL. April 12, 2018

Valenta, S., *SC ACHE Panel Session: Successfully Leading Change in Healthcare Organizations*. SCHA Fourth Annual Integrated Healthcare Symposium, Columbia, SC. September 28, 2018.