
TIMOTHY M. HALE

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Work Address

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POSITIONS

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| Teaching Assistant Professor University of Illinois, Urbana-Champaign, Champaign, IL | 06/2019 – Present |
| Scientific Director, Product Development Pivot Labs, Partners HealthCare, Boston, MA | 10/2018 – 05/2019 |
| Associate Director, Product Development Connected Health Innovation, Partners HealthCare, Boston, MA | 07/2016 – 09/2018 |
| Associate Director, Human-Centered Design Connected Health Innovation, Partners HealthCare, Boston, MA | 06/2015 – 06/2016 |
| Research Scientist Connected Health Innovation, Partners HealthCare, Boston, MA | 04/2014 – 05/2015 |
| Research Fellow Center for Connected Health, Partners HealthCare, Boston, MA Harvard Medical School, Boston, MA | 04/2012 – 03/2014 |
| Research Fellow Social Impacts of Technology Department of Sociology, University of Alabama at Birmingham, Birmingham, AL | 01/2011 – 03/2012 |

APPOINTMENTS

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| Instructor Harvard Medical School, Boston, MA | 06/2015 – 05/2019 |
| Assistant in Dermatology Harvard Medical School, Boston, MA | 04/2012 – 05/2015 |

EDUCATION

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| PhD in Medical Sociology University of Alabama at Birmingham, Birmingham, AL | 12/2011 |
| MA in Sociology University of Alabama at Birmingham, Birmingham, AL | 05/2008 |
| BA in Anthropology California State University of Long Beach, Long Beach, CA | 05/1987 |

RESEARCH INTERESTS

Digital Health Design and User Experience, Human Factors and Ergonomics; eHealth, mHealth, and Telehealth; Digital Inequalities and Social Disparities of Health; Technology Adoption and Acceptance; Aging and Well-Being

PROFESSIONAL MEMBERSHIPS

Human Factors and Ergonomics Society

FUNDED RESEARCH AND GRANTS

Federally Funded Research

National Institutes of Health, National Institute of Nursing Research 2/2020 – 12/2024
(NIH R01NR018469)

“Improving Hypertension Medication Adherence for Older Adults.” Jeannie K. Lee (mPI), Wendy A. Rogers (mPI), Kathleen C. Insel, Daniel J. Morow, Tracy L. Mitzer, and **Timothy M. Hale** (Co-Investigators). Total award: \$3,092,027, subcontract to University of Illinois Urbana-Champaign: \$1,022,472.

Claude D. Pepper Older Americans Independence Centers and the 04/2016 – 05/2018
Centers for AIDS Research, New Investigator Award (NIH 1R24AG044325-03)

Matching funds provided by Harvard University Center for AIDS Research (CFAR)
“Comprehensive Assessment of Risk in HIV and Muscle Aging: Utility of mHealth Activity Tracking, Self-Reported Metrics and Laboratory-Based Function Assessment.” **Timothy M. Hale (PI)**, Monty Montano and Viola Guardigni (Co-Investigators). \$40,000.

Sponsor Supported Research

Becton Dickinson Technologies, Raleigh, NC 08/2015 – 12/2018

“Integrated Diabetes Management System.” Kamal Jethwani (PI), **Timothy M. Hale**, Stephen Agboola, and Joseph C. Kvedar (Co-Investigators). \$1,300,000.

Samsung Information Systems America, Inc., San Jose, CA 08/2014 – 12/2015

“Clinical Sleep Study to Validate a Sleep Monitoring Device and Sleep Pattern Algorithm.” Kamal Jethwani (PI), **Timothy M. Hale**, Joseph C. Kvedar (Co-Investigators). \$222,000.

URXmobile System, Inc., Palo Alto, CA 08/2014 – 12/2015

“Patient Feedback on a Novel Mobile Application for Asthma Control.” Kamal Jethwani (PI), **Timothy M. Hale**, Joseph C. Kvedar (Co-Investigators). \$131,000.

Quanttus, Inc., Cambridge, MA 08/2013 – 04/2014

“Feasibility of a Wearable Device for Non-Invasive Vital Sign Monitoring.” Kamal Jethwani (PI), **Timothy M. Hale**, Chris Gudas, Joseph C. Kvedar (Co-Investigators). \$60,000.

Reflexion Health, Inc., San Diego, CA 04/2013 – 06/2014

“The Effect of the Reflexion Health Rehabilitation Measurement Tool (RMT) on Knee Function and Home Physical Therapy Adherence Among Patients Post Anterior Cruciate Ligament (ACL) Reconstruction Surgery.” Kamal Jethwani (PI), Clare Safran-Norton, Scott D. Martin, **Timothy M. Hale**, and Joseph Kvedar (Co-Investigators). \$220,000.

PresentCare, Inc., Walnut Bottom, PA **12/2012 – 02/2014**
 “The Effect of the MedSentry System on Medication Adherence for Patients With Congestive Heart Failure: A Pilot Study.” Kamal Jethwani (PI), **Timothy M. Hale**, Stephen Agboola, Joseph C. Kvedar (Co-Investigators). \$120,000.

Intramural Supported Research **08/2013 – 08/2014**
Research Support
 Partners Community Healthcare, Inc., Boston, MA
 “OB Text Connect.” Kamal Jethwani (PI), Khinlei Myint-U, **Timothy M. Hale**, and Meghan Searl (Co-Investigators). \$20,000.

Research and Program Development Support **06/2013 – 12/2013**
 Partners Community Healthcare, Inc., Boston, MA
 “Predictors of Health Behavior.” Kamal Jethwani (PI), Khinlei Myint-U, **Timothy M. Hale**, and Meghan Searl (Co-Investigators). \$1,000.

2009 Community Health Scholars Pilot Grant **10/2009 – 12/2011**
 UAB Center for the Study of Community Health, Birmingham, AL
 “Ride Safe’ – Reducing Motorcycle Traffic Accidents and Resulting Injuries by Examining How Information on Safety and Health is Shared in an Online Motorcycle Community.” Shelia R. Cotten (PI), **Timothy M. Hale** and Virginia P. Sisiopiku (Co-PIs). \$30,000.

Non-Supported Research Projects
 “The 4th Trimester, Birth to Home OB Text Messaging.” **11/2012 – Present**
 Annie Lewis-O’Connor (PI), **Timothy M. Hale**, Khinlei Myint-U, Barbara Ludman, Jason Parent, and Louise Wilkins-Haug (Co-Investigators).

“Implementation of ACT through Facebook for Teenagers with Asthma.” **3/2012 – Present**
 Kamal Jethwani (PI), **Timothy M. Hale**, Stephen Agboola, Christina Scirica, T. Bernard Kinane, Joseph C. Kvedar (Co-Investigators).

“Quincy Family, Youth & Technology for Lifestyle Change Study.” **4/2014 – 5/2016**
 Kamal Jethwani (PI), **Timothy M. Hale**, Christina Scirica, Meghan Searl, T. Bernard Kinane, Joseph C. Kvedar (Co-Investigators).

SCHOLARSHIP

Peer Reviewed Publications and Proceedings

- Robinson, Laura, Jeremy Schulz, Grant Blank, Massimo Ragnedda, Hiroshi Ono, Bernie Hogan, Gustavo Mesch, Shelia R. Cotten, Susan B. Kretchmer, **Timothy M. Hale**, Tomasz Drabowicz, Pu Yan, Barry Wellman, Molly-Gloria Harper, Anabel Quan-Haase, Hopeton S. Dunn, Antonio A. Casilli, Paola Tubaro, Rod Carveth, Wenhong Chen, Julie B. Wiest, Matías Dodel, Michael J. Stern, Christopher Ball, Kuo-Ting Huang, and Aneka Khilnani. 2020. “Digital Inequalities 2.0: Legacy Inequalities in the Information Age.” *First Monday*. 25(7). <http://dx.doi.org/10.5210/fm.v25i7.10842>
- Devoe, Connor, Nils Fischer, **Timothy M. Hale**, Neda Derakhshani, Mursal Atif, Harriett Gabbidon, Enrico Cagliero, Marie McDonnell, and Kamal Jethwani. 2019. “Pilot Study of a Prototype Integrated Diabetes Management System and the Relationship of Use to Diabetes Management Behaviors and HbA1c Among Type 2 Diabetes Patients.” *Iproceedings* 5(1):e16298.

- Hale, Timothy M.**, Viola Gaurdigni, Eva Roitmann, Matthieu Vegreville, Brooke Brawley, Thomas W. Storer, Paul E. Sax, Monty Montano. 2019. “Middle-Aged Men with HIV Have Diminished Accelerometry-Based Activity Profiles Despite Similar Lab-Measured Gait Speed.” *JMIR mHealth & uHealth*. 7(2):e11190.
- Gracey, Lia E., Shiyi Zan, Joseph Gracz, John J. Miner, Jacqueline F. Moreau, Jodi Sperber, **Timothy M. Hale**, and Joseph C. Kvedar. 2018. “Use of User-Centered Design to Create a Smartphone Application for Patient-Reported Outcomes in Atopic Dermatitis.” *npj Digital Medicine* 1(33).
- Hale, Timothy M.**, Kamal Jethwani, Manjinder Singh Kandola (student), Fidencio Saldana and Joseph C. Kvedar. 2016. “A Remote Medication Monitoring System for Chronic Heart Failure Patients to Reduce Readmissions: A Two-Arm Randomized Pilot Study.” *Journal of Medical Internet Research* 18(4):e91.
- Nielsen, Lasse O., Hans J. Krebs, Nancy M. Albert, Nick Anderson, Sheryl Catz, **Timothy M. Hale**, John Hansen, Lise Hounsgaard, Tae Youn Kim, David Lindeman, Helle Spindler, James P. Marcin, Thomas Nesbitt, Heather M. Young, and Birthe Dinesen. 2016. “Telemedicine in Greenland: Citizens’ Perspectives.” *Telemedicine and E-Health* 23(5):441–47.
- Patel, Vishal (student), **Timothy M. Hale**, Sandeep Palakodeti (student), Joseph C. Kvedar and Kamal Jethwani. 2015. “Prescription Tablets in the Digital Age: A Cross-Sectional Study Exploring Patient and Physician Attitudes toward the Use of Tablets for Clinic-Based Personalized Health Care Information Exchange.” *JMIR Research Protocols* 4(4):e116.
- O’Neal, LaToya Coleman, **Timothy M. Hale**, Philip A. Gibson (student) and Shelia R. Cotten. 2015. “The Impact of Technology Usage on Psychological Well-Being in a Sample of Urban Youth.” *Sociological Studies of Children and Youth*. Pp. 267-91 in *Technology and Youth: Growing up in a Digital World, Vol. 19, Sociological Studies of Children and Youth*: Emerald Group Publishing Limited.
- Robinson, Laura, Shelia R. Cotten, Hiroshi Ono, Anabel Quan-Haase, Gustavo Mesch, Wenhong Chen, Jeremy Schulz, **Timothy M. Hale**, and Michael J. Stern. 2015. “Digital Inequalities and Why They Matter.” *Information, Communication & Society* 1-14.
- Hale, Timothy M.**, Melinda Goldner, Michael J. Stern, Patricia Drentea, and Shelia R. Cotten. 2014. “Patterns of Online Health Searching 2002-2010: Implications for Social Capital, Health Disparities and the De-Professionalization of Medical Knowledge.” Pp. 33-58 in *Research in the Sociology of Health Care: Technology, Communication, Disparities and Government Options in Health and Health Care Services*, vol. 32, edited by Jennie Jacobs Kronenfeld. Bingley, UK: Emerald Group Publishing, Ltd.
- Hale, Timothy M.**, Melissa Abraham, Shiyi Zan, and Kamal Jethwani. 2014. “Using Social Media for Research: Addressing Regulatory Challenges.” Pp. 95-107 in *Applying Social Media Technologies in Healthcare Environments*, edited by Christina Beach Thielst. Chicago, IL: HIMSS Publications.
- Hale, Timothy M.** 2014. “eHealth.” Encyclopedia entry in *The Wiley-Blackwell Encyclopedia of Health, Illness, Behavior, and Society*, edited by William C. Cockerham, Robert Dingwall, and Stella Quah. Blackwell Publishing, Oxford, UK.

- Hale, Timothy M.**, Akilesh Pathipati (student), Shiyi Zan, Kamal Jethwani. 2014. “Representation of Health Conditions on Facebook: Content Analysis and Evaluation of User Engagement.” *Journal of Medical Internet Research* 16(8):e182.
- Cotten, Shelia R., George F. Ford, Sherry G. Ford, and **Timothy M. Hale**. 2014. “Internet Use and Depression Among Retired Adults: A Longitudinal Analysis.” *Journal of Gerontology: Social Sciences* 69(5):763-771. (Editor’s Choice Paper)
- Agboola, Stephen O., **Timothy M. Hale**, Caitlin Masters, Joseph C. Kvedar, and Kamal Jethwani. 2014. “‘Real-World’ Practical Evaluation Strategies: A Review of Telehealth Evaluation.” *JMIR Research Protocols* 3(4):e75.
- Hale, Timothy M.**, Virginia P. Sisiopiku, and Shelia R. Cotten. 2013. “Online Motorcycle Safety Information Seeking and Its Relationship to Risk Taking and Protective Behaviors.” *Safety Science Monitor* 17:1-14.
- Hale, Timothy M.** 2013. “Is There Such A Thing as an Online Health Lifestyle? Examining The Relationship Between Social Status, Internet Access, and Online Health Activities.” *Information, Communication & Society* 16:501-618.
- Goldner, Melinda, **Timothy M. Hale**, Shelia R. Cotten, Michael J. Stern, and Patricia Drentea. 2013. “The Intersection of Gender and Place in Online Health Activities.” *Journal of Health Communication* 18:1235-1255.
- McCree-Hale, Renicha, **Timothy M. Hale**, Kim R. Rutley, Maung Aung and Pauline E. Jolly. 2012. “Evaluating a Theory-Based Health Education Intervention to Improve Awareness of Prostate Cancer Among Men in Western Jamaica.” *West Indian Medical Journal* 61:580-586.
- Cotten, Shelia R., George F. Ford, Sherry G. Ford, and **Timothy M. Hale**. 2012. “Internet Use and Depression Among Older Adults.” *Computers in Human Behavior* 28:496-98.
- Cotten, Shelia R., **Timothy M. Hale**, Michael Howell-Moroney, LaToya O’Neal, and Casey Borch. 2011. “Using Affordable Technology To Decrease Digital Inequality: Results from Birmingham’s One Laptop Per Child XO Laptop Project.” *Information, Communication & Society* 14:424-44.
- Cotten, Shelia R., Melinda Goldner, **Timothy M. Hale**, and Patricia Drentea. 2011. “‘The Importance of Type, Amount, and Timing of Internet Use for Understanding Psychological Distress.’” *Social Science Quarterly* 92:119-39.
- Hale, Timothy M.**, Shelia R. Cotten, Patricia Drentea, and Melinda Goldner. 2010. “Rural-Urban Differences in General and Health-Related Internet Usage.” *American Behavioral Scientist* 53:1304-25.
- Drentea, Patricia, Melinda Goldner, Shelia R. Cotten, and **Timothy Hale**. 2008. “The Association among Gender, Computer Usage and Online Health Searching, and Mental Health.” *Information, Communication & Society* 11:509-25.

Non-Peer Reviewed Publications

Timothy M. Hale and Joseph C. Kvedar. 2014. "Privacy and Security Concerns in Telehealth." *Virtual Mentor, American Medical Association* 16:981-985.

Ritchey, Ferris J., **Timothy M. Hale**, William A. Anderson, and Jeffrey E. Hall. 2007. *Computer Application Exercises to Accompany the Statistical Imagination: Elementary Statistics for the Social Sciences, 2nd ed*, by Ferris J. Ritchey. New York, NY: McGraw-Hill.

Reports

Hale, Timothy M. and Carson Smith (student). "A Human Factors Evaluation of Blood Pressure Monitors for Use in MEDSReM 2.0 System." 2020. Technical Report MEDSReM-2-TR-20-01.

Jethwani, Kamal, **Timothy M. Hale**, Suzanne Grant, Saloni Rajee (student), and Natasha Sahijwala (student). 2014. *The Feasibility Of Using The Reflexion Health Rehabilitation Measurement Tool (RMT) to Improve Knee Function and Home Physical Therapy Adherence Among Patients with a Knee Injury*. Report submitted to Reflexion Health, Inc., San Diego, CA.

Cotten, Shelia R., Casey Borch, Michael Howell-Moroney, Betty Nelson, Scott Snyder, **Timothy M. Hale**, LaToya O'Neal, and William A. Anderson. 2009. *Birmingham City Schools XO Usage Results: The Birmingham Youth and Technology Study*. Report submitted to the Birmingham City School System. Birmingham, AL, Department of Sociology, University of Alabama at Birmingham.

LaGory, Mark, Ferris Ritchey, and **Tim Hale**. 2005. "Homeless Service Providers Directory." Report submitted to City of Birmingham, Office of Community Development; and Jefferson County Office of Planning and Community Development. Birmingham, AL, Department of Sociology, University of Alabama at Birmingham.

Ritchey, Ferris, Mark E. LaGory, Kevin M. Fitzpatrick, **Tim Hale**, and Jessica Irwin. 2005. "Report of Results of the Birmingham, Alabama Metropolitan Area Survey of Homeless Persons, January 27-28, 2005." Report submitted to City of Birmingham, Office of Community Development; Jefferson County Office of Planning and Community Development; and Metropolitan Birmingham Services for the Homeless. Birmingham, AL, Department of Sociology, University of Alabama at Birmingham.

Volumes Edited

Hale, Timothy M., Wen-Ying (Sylvia) Chou, Shelia R. Cotten. 2018. "e-Health: Current Evidence, Promises, Perils, and Future Directions." *Emerald Studies in Media and Communications: Communication and Information Technologies Annual 2017*. Emerald Group Publishing Limited.

Robinson, Laura, Jeremy Schulz, Shelia R. Cotten, **Timothy M. Hale**, Apryl A. Williams (student), Joy L. Hightower (student). 2016. "New Media Cultures." *Emerald Studies in Media and Communications: Communication and Information Technologies Annual 2016*. Emerald Group Publishing Limited.

Robinson, Laura, Shelia R. Cotten, Jeremy Schulz, **Timothy M. Hale**, Apryl A. Williams (student). 2015. "Digital Distinctions & Inequalities" *Emerald Studies in Media and Communications: Communication and Information Technologies Annual 2015*. Emerald Group Publishing Limited.

PROFESSIONAL ACTIVITIES

Presentations and Posters

- 04/2021 **Hale, Timothy M.**, Carson Smith (student), Jeannie K. Lee, Kathleen C. Insel and Wendy A. Rogers. “A Human Factors Evaluation of Blood Pressure Monitors for Use in the MEDSR_eM 2.0 System.” Poster presented at the 2021 International Symposium on Human Factors and Ergonomics in Health Care, April 12-16, 2021. Online.
- 11/2019 Despa, Mircea Despa Jacob Hartsell, Dylan Wilson, Sean Ulrich, Adam Martin, David Bostick, **Timothy M. Hale**, Connor Devoe, Nils Fischer, Damian Bialonczyk, Leah Baccari, Edward Mahoney, and Kamal Jethwani. “Technical Development and Clinical Evaluation of a Prototype Integrated Diabetes Management (IDM) System among Insulin-Injecting Patients with T2DM.” Poster presented at the 19th Annual Diabetes Technology Meeting, November 14-16, 2019. Rockville, Maryland.
- 04/2019 “Evaluation of AI Performance and Impact on Outcomes in Clinical Studies.” Presentation at the New Horizons for Connecting Health, Trans-Atlantic Telehealth Research Network, April 25, 2019, Aalborg University, Copenhagen, Denmark.
- 11/2018 Thanh Tran, Viola Guardigni, **Timothy M Hale**, Matthieu Vegreville, Eva Roitmann, Tom Storer, Monty Montano. “Biomarkers for Asynchronous Aging in Chronic HIV Infection.” Poster presented at the Gerontological Society of America Annual Scientific Meeting, November 14, 2018, Boston, MA.
- 10/2016 Gracey Maniar, Lia E., Shiyi Zan, Kevin Chang, **Timothy M. Hale**, Marcin Butkiewicz, Kamal Jethwani, and Joseph C. Kvedar. “A pilot study for assessing the burden of disease of atopic dermatitis: Design and development of a caregiver-facing mobile application for treatment adherence and symptom management in young children.” Poster presented at the Massachusetts General Hospital Research Day 2016, Massachusetts General Hospital, Boston, MA
- 03/2016 Scirica, Christina, Shiyi Zan, Hannah Ball, **Timothy M. Hale**, David A. Irons, T. Bernard Kinane, Elsie M. Taveras, Alison G. Hoppin, Kamal Jethwani, “Use of Text-Messaging and Facebook to Deliver Lifestyle Intervention to Caregivers of Overweight and Obese Children: A Pilot Study” Poster presented at the Massachusetts General Hospital Research for Children Day 2016, Massachusetts General Hospital, Boston, MA
- 02/2015 Safran-Norton, Clare, **Timothy M. Hale**, Natasha Sahijwala (student), Saloni Raje (student), Douglas Mattson, Laura Mattes, Derek Sople, Joseph C. Kvedar, and Kamal Jethwani. “Feasibility of Using a Telemonitoring Rehabilitation System at Home for Patients with Knee Diagnoses.” Presented at the American Physical Therapy Association Combined Sections Meeting, Indianapolis, IN.
- 11/2014 Safran-Norton, Clare, **Timothy M. Hale**, Natasha Sahijwala (student), Saloni Raje (student), Douglas Mattson, Laura Mattes, Derek Sople, Joseph C. Kvedar, and Kamal Jethwani. “Feasibility of Using a Telemonitoring Rehabilitation System at Home for Patients with Knee Diagnoses.” Poster presented at the Brigham & Women’s Hospital Research Day, Boston, MA.

- 11/2014 Jethwani, Kamal, Vishal Patel (student), **Timothy M. Hale**, Shiyi Zan, Stephen O. Agboola, Clare Flanagan, and Joseph C. Kvedar. “Tablet Computers in the Waiting Room: Patient Attitudes Towards the Use of Tablet Computers for Clinic-Based Personalized Healthcare Information.” Presented at the Medicine 2.0 Summit & World Congress, Maui, Hawaii.
- 11/2014 Zan, Shiyi. Clare Flanagan, Meghan Searl, T. Bernard Kinane, **Timothy M. Hale**, Stephen O. Agboola, and Kamal Jethwani. “Engaging Adolescent Asthmatics in Symptom Control and Self-Management Using an Online Peer Social Network: A Randomized Controlled Trial.” Presented at the Medicine 2.0 Summit & World Congress, Maui, Hawaii.
- 11/2014 **Hale, Timothy M.**, Akhilesh S. Pathipati (student), Shiyi Zan, Stephen O. Agboola, Clare Flanagan, Joseph C. Kvedar, and Kamal Jethwani. “Health Conditions on Facebook: A Descriptive Analysis of Page Content and User Engagement.” Poster presented at the Medicine 2.0 Summit & World Congress, Maui, Hawaii.
- 11/2014 Pathipati, Akhilesh S. (student), **Timothy M. Hale**, Shiyi Zan, and Kamal Jethwani. “Health Conditions on Facebook: A Descriptive Analysis of Page Content and User Engagement.” Poster presented at the 12th Annual American Medical Association Research Symposium, Dallas, TX.
- 08/2014 **Hale, Timothy M.**, “Why Understanding Digital Inequality is Important in Healthcare.” Presented at the 2014 Communication and Information Technology, American Sociological Association (CITASA) Symposium. San Francisco, CA.
- 08/2014 **Hale, Timothy M.**, Akhilesh S. Pathipati (student), Shiyi Zan, and Kamal Jethwani. “Representation of Health Topics and Medical Conditions on Facebook Pages.” Roundtable presentation at the 2014 American Sociological Association Annual Meeting, San Francisco, CA.
- 04/2013 Patel, Vishal (student), **Timothy M. Hale**, and Kamal Jethwani. “Prescription tablets in the Digital Age: Exploring patient and physician attitudes towards the use of electronic tablets for clinic based personalized healthcare information exchange.” Poster presented at the 2013 Internal Medicine Meeting, American College of Physicians National Poster Competition, San Francisco, California.
- 03/2013 **Hale, Timothy M.**, Akhilesh S. Pathipati (student), Shiyi Zan, Joseph C. Kvedar, Kamal Jethwani. “Representation of Health Conditions on Facebook Pages.” Poster presented at the 2013 Massachusetts General Hospital Executive Committee on Research, Scientific Advisory Committee Meeting, Boston, MA.
- 03/2013 Jethwani, Kamal, Vishal Patel (student), **Timothy M. Hale**, Joseph C. Kvedar. “Tablet Computer for Personalized Health Information In The Waiting Room: Exploring Patient And Physician Attitudes Towards The Use Of Tablet Computers For Clinic Based Personalized Healthcare Information Exchange.” Poster presented at the 2013 Massachusetts General Hospital Executive Committee on Research, Scientific Advisory Committee Meeting, Boston, MA.
- 03/2013 Searl, Meghan M., **Timothy M. Hale**, Julie Kvedar (student), Shiyi Zan, Joseph C. Kvedar, Kamal Jethwani. “Predictors of Health Behaviors in a Group of Community-Dwelling Adults.” Poster presented at the 2013 Massachusetts General Hospital Executive Committee on Research, Scientific Advisory Committee Meeting, Boston, MA.

- 12/2012 **Hale, Timothy M.**, Khinlei Myint-U, Joseph Kvedar, and Kamal Jethwani. “Evaluation of OB Text Connect: A Tailored Text Messaging Program Connecting Women in Disadvantaged Communities to Prenatal Care.” Poster presented at the 2012 mHealth Summit, Washington, DC.
- 08/2012 **Hale, Timothy M.** “Is There Such a Thing as Online Health Lifestyle? Examining the Relationship Between Online and Offline Health Behaviors.” Presentation at the American Sociological Association Annual Meeting, Denver, CO.
- 08/2012 Shelia R. Cotten, **Timothy M. Hale**, and LaToya O’Neal. “A Vision Realized or a Continuing Digital Divide? Examining the One Laptop Per Child Program in Birmingham, Alabama.” Presentation at the American Sociological Association Annual Meeting, Denver, CO.
- 05/2012 Virginia P. Sisiopiku, Shelia R. Cotten, and **Timothy M. Hale**. “Motorcycle Safety in the State of Alabama.” Presentation at the Southern District/Great Lakes District Institute of Transportation Engineers (SKITE/GLITE) Joint Annual Meeting, Lexington, KY.
- 03/2012 **Hale, Timothy M.** “Health Related Internet Use and Health Lifestyles: An Empirical Analysis of Online and Offline Health Behaviors Using the 2007 Health Information National Trends Survey.” Presentation at the Southern Sociological Society Annual Meeting, New Orleans, LA.
- 01/2012 **Hale, Timothy M.**, Virginia Sisiopiku and Shelia R. Cotten. “The Relationship of Internet Safety Information Seeking on Risky Riding Behavior and Use of Protective Gear among an Online Motorcycle Community.” Poster presented at the Transportation Research Board Annual Meeting, Washington, DC.
- 10/2011 **Hale, Timothy M.**, Shelia R. Cotten and Virginia Sisiopiku. “‘Ride Safe’: Examining the Relationships Among Online Safety Information Seeking, Protective Actions, and Risky Riding Behaviors in an Online Motorcycle Community in Alabama.” Invited presentation sponsored by the University of Alabama at Birmingham Center for the Study of Community Health, Birmingham, AL.
- 09/2011 Cotten, Shelia R., **Timothy M. Hale**, Melinda Goldner, Michael J. Stern, and Patricia Drentea. “Ten-Year Trends in Online Health Information Seeking.” Presented at the Oxford Internet Institute, Symposium on the Dynamics of the Internet and Society, Oxford, UK.
- 08/2011 Goldner, Melinda, **Timothy M. Hale**, Shelia R. Cotten, Michael J. Stern, and Patricia Drentea. “The Intersection of Gender and Place in Online Health Information Seeking.” Presented at the American Sociological Association Annual Meeting, Las Vegas, NV.
- 08/2011 O’Neal, LaToya, **Timothy M. Hale**, Shelia R. Cotten. “The Impact of Information and Communication Technology (ICT) Usage on Depression Among Urban Youth.” Presented at the American Sociological Association Annual Meeting, Las Vegas, NV.
- 04/2011 Cotten, Shelia R., **Timothy M. Hale**, LaToya O’Neal, Casey Borch, and Michael Howell-Moroney. “Examining the Tails to Understand Engagement with ICTs and Digital Inequality.” Presented at the Southern Sociological Society Annual Meeting, Jacksonville, FL.

- 10/2010 **Hale, Timothy M.** and Kelsey Eliasson. “Ride Safe – How Information about Safety and Health are Shared in an Online Community of Motorcycle Riders: Preliminary Findings and Methodological Challenges.” Presented at the Research in Progress Series, University Transportation Center and the Injury Control Research Center, University of Alabama at Birmingham, Birmingham, AL.
- 08/2010 Cotten, Shelia R., **Timothy M. Hale**, Michael Howell-Moroney, and LaToya O’Neal. “Using Affordable Technology To Bridge The Digital Divide: Results from Birmingham’s XO Laptop Project” Presented at the American Sociological Association Annual Meeting, Atlanta, GA.
- 04/2010 **Hale, Timothy M.**, LaToya O’Neal, Shelia R. Cotten, and Casey Borch. “XO Laptops, Minority Youth, and Technology Use: Decreasing the Digital Divide or Exacerbating Digital Inequality?” Presented at the Southern Sociological Society Annual Meeting, Atlanta, GA.
- 04/2010 Howell-Moroney, Michael, Shelia R. Cotten, **Timothy M. Hale**, and LaToya O’Neal. “Bridging the Digital Divide in Birmingham.” Presented at the American Society for Public Administration 2010 Annual Meeting, San Jose, CA.
- 02/2010 Cotten, Shelia R., **Timothy M. Hale**, LaToya O’Neal, William Anderson, Casey Borch, Michael Howell-Moroney, and Betty Nelson. “The Impacts of XO Laptops in Birmingham, Alabama Schools: Education, Participation, and Social Connection Outcomes.” Presented at the Digital Media and Learning Conference, University of California San Diego, La Jolla, CA.
- 11/2009 Cotten, Shelia R., Casey Borch, Michael Howell-Moroney, Betty Nelson, Scott Snyder, **Timothy M. Hale**, LaToya O’Neal, and William Anderson. “SGER: Assessing the Educational, Career, and Social Impacts of the XO Laptop Program in Birmingham, AL City Schools.” Poster at the National Science Foundation, 2009 Discovery Research K–12 Principal Investigator Meeting, Washington, DC.
- 10/2009 Cotten, Shelia R. and **Timothy M. Hale** “Technology Usage, Content Creation, and Technology Self-Efficacy Before and After the XO Laptop Dissemination in Birmingham, Alabama City School.” Presented at the Association of Internet Researchers 10th Annual Conference, Milwaukee, WI.
- 09/2009 **Hale, Timothy M.** “Health Behavior and Health Status as Predictors of Online Health Information Seeking .” Poster presented at the Health Information National Trends Survey (HINTS) Data Users Conference, National Cancer Institute, Silver Spring, MD.
- 08/2009 **Hale, Timothy M.**, Shelia R. Cotten, Patricia Drentea, and Melinda Goldner. “Rural-Urban Differences in General and Health-Related Internet Usage.” Presented at the American Sociological Association Annual Meeting, San Francisco, CA.
- 04/2009 **Hale, Timothy M.**, William Anderson, LaToya O’Neal, Jasmine Darrington, Casey Borch, and Shelia R. Cotten. “Technology Usage Among A Sample of Minority Youth.” Presented at the Southern Sociological Society Annual Meeting, New Orleans, LA.

- 11/2008 McCree-Hale, Renicha, Kim R. Rutley, Maung Aung, **Timothy M. Hale** and Pauline E. Jolly. "Prostate Cancer Knowledge, Attitudes and Behaviors Among Men in Western Jamaica: An Evaluation of a Computer-Based Educational Intervention." Poster at the University of Alabama at Birmingham Comprehensive Cancer Center Annual Retreat, Birmingham, AL.
- 08/2008 Goldner, Melinda, Shelia R. Cotten, **Timothy M. Hale** and Patricia Drentea. "Internet Usage and Mental Health." Presented at the American Sociological Association Annual Meeting, Boston, MA.
- 06/2008 **Hale, Timothy M.** "Religiosity and Sense of Control: Differences in the Benefits of Religiosity Among Older Adults." Presented at the Scientific Seminar Series sponsored by the UAB Center for Aging and the Birmingham/Atlanta Geriatric Research, Education, and Clinical Center, VA Hospital, Birmingham, AL.
- 06/2008 **Hale, Timothy M.** "Religiosity and Sense of Control: Differences in the Benefits of Religiosity Among Older Adults." Presented at the Religion and Spirituality Working Group, University of Alabama at Birmingham, Birmingham, AL.
- 04/2008 **Hale, Timothy M.** "Massively Multiple Online Role-Playing Games and Online Lifestyles." Presented at the Southern Sociological Society Annual Meeting, Richmond, VA.
- 08/2006 **Hale, Timothy M.** "Functional Somatic Syndromes: Medically Unexplained Illness as a Liminal State." Presented at the American Sociological Association Annual Meeting, Montreal, Canada.

Meeting Organizer

- 10/2019 Poster Session at the Connected Health Conference, Personal Connected Health Alliance, Partners HealthCare Connected Health, and JMIR: Journal of Medical Internet Research. Boston, MA.
- 10/2018 Poster Session at the Connected Health Conference, Personal Connected Health Alliance, Partners HealthCare Connected Health, and JMIR: Journal of Medical Internet Research. Boston, MA.
- 10/2017 Poster Session at the Connected Health Conference, Personal Connected Health Alliance, Partners HealthCare Connected Health, and JMIR: Journal of Medical Internet Research. Boston, MA.
- 10/2016 Poster Session at the Connected Health Symposium, Partners HealthCare Connected Health and JMIR: Journal of Medical Internet Research. Boston, MA.
- 10/2015 Poster Session at the Connected Health Symposium, Partners HealthCare Connected Health and JMIR: Journal of Medical Internet Research. Boston, MA.
- 08/2014 Communication and Information Technology, American Sociological Association (CITASA) Symposium. UC Berkeley, San Francisco, CA.
- 08/2010 Communication and Information Technologies Section Referred Roundtables. American Sociological Association Annual Meeting, Atlanta, GA.
- 04/2009 Youth, Technology, and Digital Inequality. Southern Sociological Society Annual Meeting, New Orleans, LA.
- 04/2009 Communication Technology, Self Construction, and Interpersonal Relationships Among Young Adults. Southern Sociological Society Annual Meeting, New Orleans, LA.

Invited Talks and Panels

- 06/2017 “The Importance of User-Centered Design in Creating Successful Connected Health Technologies.” Patient@Home Consortium Meeting, University of Southern Denmark at Odense, Odense, Denmark
- 06/2017 “User-Driven Innovation and Design.” Early Phase Development of Health Care Products, Workshop, Mads Clausen Institute, University of Southern Denmark at Sønderborg, Sønderborg, Denmark
- 11/2016 “Challenges to Development and Testing mHealth Technology and Interventions.” Invited presentation, Digital Strategies for Health Communication, Lisa Guilatari, professor. Tufts University School of Medicine, Department of Public Health and Community Medicine, Boston, MA
- 08/2015 “Connected Health: Challenges and Opportunities.” Invited Keynote Speaker, Fall Kick-Off, Trifecta Initiative, Michigan State University and Sparrow/MSU Center for Innovation and Research, Lansing, MI.
- 12/2014 “Reality Check: Planning for Success.” Panel discussant, mHealth Summit 2014, The Gaylord National Resort and Convention Center, Washington, DC.
- 10/2014 “From Farming to Factories to Fitness Trackers: The Natural Evolution of the Patient.” Panel discussant, Connected Health Symposium 2014, Center for Connected Health, Partners HealthCare, Boston, MA.
- 6/2014 “New Communication Technologies and Innovations in Health Care.” Invited presentation, 2014 Creativity Expert Exchange Conference, International Center for Studies in Creativity, SUNY Buffalo State, Buffalo, NY.
- 03/2012 Author Meets Critics: *The Internet and Social Inequalities*, by James Witte. Panel discussant. Southern Sociological Society Annual Meeting, New Orleans, LA.
- 02/2008 “Establishing Interdisciplinary Connections and Collaborations.” Panel discussant. Graduate Student Seminar, University of Alabama at Birmingham, Birmingham, AL.

Press and Media

- 2020 Quoted in the newspaper article, “Facebook meme page connects students amid virus.” by Sidney Madden. Published March 23, 2020 in *The Daily Illini*, <https://dailyillini.com/features/2020/03/23/memes-for-social-distancing-teens-facebook-page-connecting-students/>.
- 2015 Quoted in the book, “The Internet of Healthy Things,” by Joseph C. Kvedar, 2015, Partners HealthCare, Connected Health, Boston, MA.
- 2014 Interview and audio report. “Study Finds Strengths of Social Media in Health Care, Room for Improvement,” by Rachel Dornhelm. Published August 20, 2014 at <http://www.ihealthbeat.org/insight/2014/study-finds-strengths-of-social-media-in-health-care-room-for-improvement>.

SCHOLARSHIPS AND AWARDS

- Partners in Excellence, Network Award** **2017**
 Partners HealthCare, Inc., Boston, MA
 Award presented to Connected Health Innovation User-Centered Design and Product Development Team for outstanding achievement in working collaboratively with teams across the Partners HealthCare network to develop a Virtual Prostate-Specific Antigen Monitoring System.
- Partners in Excellence, Team Award** **2015**
 Partners HealthCare, Inc., Boston, MA
 Award presented to Connected Health Innovation Research team for outstanding performance on the Afib Connect Mobile Application Study.
- Partners in Excellence, Team Award** **2015**
 Partners HealthCare, Inc., Boston, MA
 Award presented to Connected Health Innovation Research team for outstanding performance on the FeatForward Mobile Application Study.
- Partners in Excellence Team Award** **2014**
 Partners HealthCare, Inc., Boston, MA
 Award presented to Connected Health Innovation Research team for outstanding performance on mobile applications development and clinical research.
- Center for Primary Care Conference Travel Award** **2013**
 Harvard Medical School, Boston, MA
 Awarded a competitive travel award of \$1,200 to attend the 2013 mHealth Summit held at Gaylord National Resort and Conference Center, Washington, DC.
- Center for Primary Care Conference Travel Award** **2012**
 Harvard Medical School, Boston, MA
 Awarded a competitive travel award of \$1,000 to attend the Quantified Self Conference 2012 held at Stanford University, Palo Alto, CA.
- Outstanding Graduate Student Research Award** **2010**
 Department of Sociology and Social Work, College of Arts and Science
 University of Alabama at Birmingham, Birmingham, AL
- The Cancer Research Experiences for Students Award for Excellence in Cancer Prevention and Control Research** **2008**
 Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, AL
 First place award for the poster, "Prostate Cancer Knowledge, Attitudes and Behaviors Among Men in Western Jamaica: An Evaluation of a Computer-Based Educational Intervention."
 Renicha McCree-Hale, Kim R. Rutley, Maung Aung, **Timothy M. Hale** and Pauline E. Jolly.
- Research Scholarship in Aging** **2007**
 Center for Aging, University of Alabama at Birmingham, Birmingham, AL
 Awarded a competitive scholarship of \$2,000 for outstanding graduate student research proposal, "Religiosity and Sense of Control: Differences in the Benefits of Religiosity Among Older Adults." Patricia Drentea, Ph.D., faculty mentor.

PROFESSIONAL DEVELOPMENT AND TRAINING

- Comparative Effectiveness, Cost-Benefit Analysis, and Implementation Research** **2013**
 Harvard Catalyst: The Harvard Clinical and Translational Science Center
 Harvard University, Cambridge, MA, September 23-25
 Three-day survey course on evaluation methodology and implementation research.
- Introduction to Clinical Investigation** **2012**
 Harvard Catalyst: The Harvard Clinical and Translational Science Center
 Harvard University, Cambridge, MA, May 7-11
 Five-day survey course designed to develop competency in core research skills that span the translational research continuum and prepare participants to begin mentored clinical research.
- Medical Device Development** **2012**
 Harvard Catalyst: The Harvard Clinical and Translational Science Center
 Harvard University, Cambridge, MA, April 23-24
 Two-day survey course on medical device development, validation and commercialization, and regulatory issues.
- Summer Social Webshop on Technology-Mediated Social Participation** **2011**
 University of Maryland, College Park, MD, August 23-26
 Competitive funding awarded to attend a four-day interdisciplinary workshop for researchers studying the use of social media in health care, education, disaster response, civic participation, business, and environmental protection. The workshop is sponsored by the National Science Foundation (NSF) and the Social Media Research Foundation.
- Summer Research Institute for the Science of Socio-Technical Systems** **2011**
 Consortium for the Science of Socio-Technical Systems (CSST), June 5-9
 Competitive funding awarded to attend a five-day workshop organized to build a cohort of scholars interested in research on the interplay of social and technical systems. The workshop is funded by the National Science Foundation (NSF).
- Institute on Systems Science and Health (ISSH 2010)** **2010**
 Mailman School of Public Health, Columbia University, June 13-19
 Competitive funding awarded to attend a seven-day workshop on systems science methodologies and training in social network analysis. The ISSH training is produced and funded by The Office of Behavioral Social Science Research at the National Institutes of Health and the Centers for Disease Control and Prevention.
- National Longitudinal Survey (NLS) Summer Workshop** **2007**
 Center for Human Resource Research, Ohio State University, July 16-19
 Competitive funding awarded from the Center for Human Resource Research to attend an intensive four-day workshop on using the NLS data set for social science research.

PROFESSIONAL SERVICE

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|---------------------------------------------------------------------------------------|--------------------|
| CITASA Book Award Committee | 2014 |
| American Sociological Association Section on Communication & Information Technologies | |
| CITASA Council Member | 2012 – 2014 |
| American Sociological Association Section on Communication & Information Technologies | |
| CITASA Paper Award Committee | 2012 |
| American Sociological Association Section on Communication & Information Technologies | |
| CITASA Roundtable Paper Organizer | 2010 |
| American Sociological Association Section on Communication & Information Technologies | |
| Graduate Student Representative | 2009 – 2010 |
| University of Alabama at Birmingham, Department of Sociology | |
| IT and Quality of Life Workshop | 2007 |
| Center for Aging, University of Alabama at Birmingham, May 2-3 | |

EDITORIAL EXPERIENCE

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|--------------------------------------------------------|-------------|
| Editorial Board | |
| <i>Palgrave Studies in Digital Inequalities</i> | 2021 |
| Laura Robinson and Massimo Ragnedda, editors | |

Ad Hoc Reviewer

- *JMIR: Journal of Medical Internet Research*
- *Computer-Human Interaction (SIGCHI) of Association for Computing Machinery*
- *Cyberpsychology, Behavior & Social Networking*
- *Information, Communication & Society*
- *International Journal of Public Health*
- *JAMIA: Journal of the Association of Medical Informatics Association*
- *Social Science & Medicine*
- *Telemedicine and e-Health*