Date of Preparation: February 26, 2019

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Research Educator

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EDUCATION

Graduate:
Loyola University Chicago, Chicago, Illinois — 2002 – 2006
Ph.D. in Developmental Psychology
Concentration in Applied Statistics

DePaul University, Chicago, Illinois — 2000 – 2002
M.S. in General Psychology

Baccalaureate:
Kalamazoo College, Kalamazoo, Michigan — 1994 – 1998
B.A. in Psychology

POSTGRADUATE TRAINING

Wayne State University, Detroit, Michigan — 2006 – 2007
Postdoctoral Fellowship in Pediatric Psychology

FACULTY APPOINTMENTS

Wayne State University — 2017-- Present
Associate Professor (Research Educator with Tenure)
Department of Family Medicine and Public Health Sciences

Wayne State University — 2016 – 2017
Assistant Professor (Research Educator),
Department of Family Medicine and Public Health Sciences

Wayne State University
Assistant Professor (Research Educator), — 2009 – 2016
Department of Pediatrics

Wayne State University Assistant Professor (Research), Department of Pediatrics	2008 – 2009
North Central College, Naperville, Illinois Instructor, Department of Psychology	2005 – 2006

MAJOR PROFESSIONAL SOCIETIES

Society of Behavioral Medicine (SBM)	2017 – Present
Society for the Study of Emerging Adulthood (SSEA)	2014 – Present
International Society for Research on Internet Interventions (ISRII)	2011 – Present
American Psychological Association (APA)	2000 -- Present

HONORS/AWARDS

Nomination, Career Development Chair Award, Wayne State School of Medicine	2018
Research Excellence Award Wayne State School of Medicine	2017
Nomination, Research Excellence Award Wayne State School of Medicine	2016
National Institutes of Health Loan Repayment Program, Health Disparities	2008 – 2014
Nomination, Faculty Teaching Award Wayne State University	2013

SERVICE

Wayne State University

School of Medicine:

Panel presenter, Promotion & Tenure at WSU: Policies and Advice	2018
Panel presenter, Obtaining NIH Loan Repayment Program Awards	2012
Wayne State University Graduate Student Research Day (Judge)	2010 – 2012, 2014

University:

Academic Senate, School of Medicine Representative	2016 – Present
Research Committee Sub-committee for Academic Senate	2016 – Present
Behavioral (B3) Institutional Review Board Member, Affiliated Scientist	2015 – Present
AAUP Faculty Development Committee	2011 -- 2013

Professional

Adolescent Medicine Trials Network (ATN) Executive Committee	2018 -- Present
ATN Diversity Scholars Program, Grant Committee	2018
Office of Minority Health, Resource Persons Network	2013 – Present
National Institutes of Health Loan Repayment Program Ambassador	2011 – Present
Conference Abstract Review: Society of Pediatric Psychology Midwest Regional Conference	2012

Community

Detroit Urban Research Center's Community-Academic Research Network (CAR-Net)	2017 - Present
Wayne Children's HealthCare Access Program Steering Committee	2013 – 2014

Scholarly Service

Grant Review Committees:

Wayne State College of Nursing Pre-Submission Grant Review Committee	2012, 2016

Service for Peer-Reviewed Journals:

Review of Manuscripts

BMJ Open Respiratory Research	2017
Public Health Reports	2016

AIDS and Behavior	2015 - 2017
Patient Education and Counseling	2015
Journal of Pediatric Psychology	2008-2012, 2014, 2018
Journal of Medical Internet Research	2011, 2013, 2016-2017
AIDS Care	2011, 2013
HIV Medicine	2012, 2013
Journal of Adolescent Health	2011, 2012, 2018
Journal of Child & Family Studies	2008-2012
Annals of Behavioral Medicine	2011
California Journal of Health Promotion	2009

Other Scholarly Service

Data and Safety Monitoring Board 2015 - 2017
Mobile Technology and Online Tools to Improve Asthma Control in Adolescents
NHLBI 1R44HL127826-01 (McMillen, Bruzzese, Thomas)

TEACHING

Teaching at Wayne State University 2007 -- Present

Undergraduate students:

Albion College Research Fellow	2018
ReBUILD scholar	2018
College of Nursing STaR Program, primary mentor	2013
Lifespan Development (Psych 2400)	2008

Graduate students & faculty:

Academic Advisor, MPH students	2018 - Present
Primary Supervisor & Mentor, Postdoctoral Fellows	2016 - Present
Research Project Supervisor, Visiting scholars from China	2016 - 2017
Master of Public Health (MPH) Project Coordinator Division of Behavioral Science	2016 - 2017
Research Project Supervisor, Masters Public Health (FPH 8990)	2015, 2016, 2018
Prevention Research Seminar and Pediatric Psychology Seminar	2007 – 2015
Mentoring graduate and undergraduate students	2004 -- Present

Medical residents:

Pediatric residency seminar rotation (monthly): 2010 – 2016
- Emerging adulthood and chronic illness
- Promoting adherence to medications in adolescents and young adults
- Transition to adulthood

Psychology interns:

Invited lectures on Adherence in Emerging Adulthood, Computer-Delivered Motivational Interviewing 2017-Present

Teaching at Other Institutions

North Central College	2005 – 2006
Loyola University Chicago	2003 – 2006

Undergraduate students:

Loyola University Chicago

Laboratory in Developmental Psychology (Psych 318)	2006
Developmental Psychology (Psych 273), 6 sections	2003 -- 2005

North Central College, Naperville, Illinois

Educational Psychology (Psych 205), 2 sections	2006
Personality Theory (Psych 320)	2006
Psychology of Adolescence (Psych 220), 6 sections	2005 – 2006

GRANTS, CONTRACTS, AND OTHER FUNDING

Active National/International Grants and Contracts

Role: Project Co-Lead (co-PI): Percent effort: 5%, 5% 2016 – 2021

Title: *Scale it up: Effectiveness-implementation research to enhance HIV-related self-management among youth*. 1U19HD089875-01 (Naar, overall PIs).

This project offers a research program cooperative agreement to support the Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN). Towards this goal, *Scale It Up* has assembled research teams who will develop, test and bring to practice self-management interventions that positively impact youth HIV prevention and care. **This large, multi-center project consists of 3 R01-level research projects, a management core, a scientific core, and an analytic core. I am supported by two of the research projects as principal investigator ("lead"), as described below.** Total costs $15.7 million ($12,556,734 direct costs).

- *A SMART trial evaluating phased implementation of text messaging, cell phone support, and contingency management in youth nonadherent to antiretroviral medication*. Research-Project-003 (458) (**Belzer/MacDonell, co-leads**).

- *Motivational interviewing implementation-effectiveness trial in multidisciplinary adolescent HIV settings*. Research-Project-004 (617). (**Naar/MacDonell, co-leads**).

Role: Principal Investigator, Percent effort 25-30% 2016 – 2021
Title: *Multi-component technology intervention for African American emerging adults with asthma*.1R01HL133506-01.*
The purpose of this project is to test a brief multi-component, technology-based intervention, rigorously developed with pilot funding from NHLBI, to improve asthma controller medication adherence in urban African American emerging adults. Source: NIH/NHLBI. Total costs: $2,665,484

*__NHLBI Diversity Supplement__ was awarded (additional $618,749 total) to this grant to fund supplemental research and investigator effort (2/10/2018 – 6/30/2021)

Role: Principal Investigator, Percent effort: 15% 2015 -- 2019
Title: *Development of an MI implementation intervention in adolescent HIV care settings.* 1R34MH103049-01A1. Co-PI: Naar.
The goal of this proposal is to develop an implementation intervention to increase evidence-based patient-provider communication strategies using a Motivational Interviewing framework. Source: NIH/NIMH. Total costs: $709,732.

Role: Co-investigator, Percent effort: 5% (10-20% Y5) 2015 – 2020
Title: *Motivational Enhancement System for Adherence (MESA) in youth starting ART*. 1R01MH108442-01 PI: Naar/Outlaw.
The purpose of this project is to test a brief, two-session, computer-based intervention, based on the Information-Motivation-Behavioral Skills model and Motivational Interviewing principles, to prevent adherence difficulties among youth newly prescribed ART. Source: NIH/NIMH Total direct costs: $2,556,734.

Role: Co-investigator, Percent effort: 15% (30% Y6) 2013 -- 2019
Title: *Comparing the effectiveness of two alcohol + adherence interventions for HIV+ youth.* 1R01AA022891-01. PI: Naar-King
The study is comparing the effectiveness of home- vs. clinic-based "Healthy Choices," a brief motivational intervention designed to address alcohol use, medication adherence, and health outcomes in youth living with HIV. I lead the data management team and am the supporting statistician for this multi-site project. I actively work on all aspects of the project from grant submission, protocol development, measure development, study implementation and tracking, data management, statistical analyses and research dissemination. Source: NIH/NIAAA. Total costs: $3,859,371.

Pending Grants and Contracts

Role: Principal Investigator (MPI), Percent effort: 15% 2019 - 2022
Title: Bijou: A personalized mobile intervention to improve HIV self-management in young men who have sex with men (R34 MH121077). PIs: MacDonell/Hightow-Weidman. Source: NIMH.

Role: Principal Investigator (MPI), Percent effort: 10% 2019 - 2022
Title: *A mobile, multi-component technology-based intervention targeting linkage to care in the emergency department for African American emerging adults with asthma* (R34 HL148291). PIs: Gibson-Scipio/MacDonell. Source: NHLBI

Role: Co-Investigator, Percent effort: 10% **2019 – 2022**
Title: *Adapting effective mhealth interventions to improve uptake and adherence of the HIV pre-exposure prophylaxis (PrEP) in Thai young MSM* (R34). PI: Wang. Source: NIH.

Previously Funded Grants and Contracts

Role: Co-investigator **2015 – 2018**
Title: *Health Department Demonstration Projects for Comprehensive Prevention, Care, Behavioral Health and social Services for Men Who Have Sex with Men (MSM) of color at Risk for and Living with HIV Infection.* 1U65PS005033-01. PI: Outlaw. Source: CDC. Total direct costs: $7,425,000/Sub-contract direct costs: $450,000

Role: Co-investigator **2012 -- 2017**
Title: *Targeting PM to improve HIV adherence in adolescents at risk for substance abuse.* 1R01DA034497-01. PI: Naar-King/Woods. Source: NIH/NIDA. Total costs: $2,194,734.

Role: Principal Investigator **2011 – 2015**
Title: *Multi-component technology intervention for minority emerging adults with asthma.* 1R34HL107664-01A1. Source: NIH/NHLBI. Total costs: $684,000.

Role: Co-investigator **2010 -- 2015**
Title: *Social capital and HIV risk behavior among rural migrants in China.* 5R01MH086322-05. PI: Chen/Stanton. Source: NIH/NIMH.

Role: Co-investigator **2014 -- 2015**
Title: *Exploring end user's recommendations for the development of an asthma transition readiness mobile application.* PI: Gibson-Scipio. Source: Blue Cross/Blue Shield of Michigan Foundation. Total direct Costs: $69,517.

Role: Consultant **2013 -- 2015**
Title: *Smartphones, mobile health applications, & eHealth literacy: African American adolescents with asthma*. PI: Lam Source: Dr. Jack Ryan Award Endowed by the Dr. Morris S. Brent Fund, Wayne State University School of Medicine.

Role: Co-investigator **2013 – 2018**
Title: *Modeling quantum change in adolescent sexual initiation and condom use.* 1R01HD075635-01A1 (PI: Chen). Source: NIH/NIMH. Direct costs: $1.25 million

Role: Co-investigator **2011 – 2013**
Title: *Unmet health care needs of urban African American emerging adults with asthma* (PI: Gibson-Scipio). Source: Detroit Medical Center Faculty Scholar Award, Direct costs: $10,962

Role: Principal Investigator/Primary Author **2011 – 2012**
Title: *Secondary data analysis and manuscript preparation: Barriers to medication adherence in youth living with HIV.* Role: Analysis of secondary dataset and preparation and submission of subsequent manuscript as primary author. Source: Adolescent Trials Network (ATN 086), Total funding support: $6,342

Role: Promoted/Supported Faculty **2009 – 2013**
Title: *Faculty to enhance technology-based adolescent asthma health disparity research.* 1P30HL10301-01. (PI: Stanton). Role: Promoted to tenure-track faculty, developed independent research and conducted two pilot studies as principal investigator. These preliminary studies led to successful funding from NHLBI as PI (Grant award 1R34HL107664-01A1*)*. Source: NIH/NHLBI. Total costs: $625,393.

Role: Project Director **2008 – 2010**
Title: *Motivational enhancement for overweight African American adolescents* (PI: Naar-King) Source: Children's Research Center of Michigan. Direct costs: $50,000

Role: Project Director **2008 – 2010**
Title: Multisystemic Therapy to reduce health disparities in adolescents with asthma (PI: Naar-King). Source: NIH/NHLBI. Direct costs: $2,427,811.

Role: Research Associate/Statistical Consultant **2007 – 2009**
Title: *Protocol for the Adolescent Medicine Trials Network for HIV/AIDS Interventions.* Subcontract funded UO1 HD040533. Source: NIH/NHLBI. Direct costs: $888.992

Role: Project Director **2005 – 2008**
Title: *Adapting Multisystemic Therapy to improve food choices and health outcomes in obese African American youth* (PI: Naar-King). Source: American Diabetes Association, Total costs: $748,000

Role: Research Assistant **2002 – 2006**
Title: *Developmental Pathways to Skilled Remembering.* 1R01HD037114-01A1 *(*PI: Ornstein) Source: NIH.

Previously Submitted, Not Funded Grants and Contracts **2012 – Present***
**Includes all grants submitted as Principal Investigator, even prior to 2012*

Role: Principal Investigator, Percent effort: 10% **2018 – 2021**
Title: *Bijou: A personalized mobile intervention to improve HIV self-management in racial/ethnic minority young men who have sex with men.* R34MH118040. Co-PI: Hightow-Weidman. Source: NIMH/NIDA.

Role: Co-investigator, Percent effort: 10% **2017 – 2021**
Title: Adapting effective ehealth interventions to improve uptake and adherence of the HIV pre-exposure prophylaxis (PrEP) in Thai young MSM. 1R34 MH115784-01. PI: Wang. Role: Co-investigator. Not scored.

Role: Co-investigator, Percent effort: 15% **2017 - 2021**
Title: *A Multilevel Intervention Incorporating Health Literacy and Online Learning to Maximize Retention in HIV Care across the Transition to Adult Clinics*. PI: Nichols/Lewis. Source: ATN/NIH. Subcontract costs requested: $166,028.

Role: Co-investigator, Percent effort: 10% Y1, 5% Y2-5 **2017 – 2022**
Title: *A Multicomponent Technology Intervention (MCTI) for Young Adults with Poorly Controlled T2DM*. PI: Carcone. 1R01DK115428-01. Source: NIH/NIDDK. Direct costs requested: $2,281,746.

Role: Principal Investigator, Percent effort: 20% **2017 – 2020**
Title: *Promoting transition readiness for preventive asthma health care utilization: A pilot test using multi-component mobile technology*. Co-PI: Gibson-Scipio. R34HL138234. NHLBI.

Role: Co-investigator, Percent effort: 10% **2017 – 2021**
Title: *Improving adolescents' and young adults' diabetes management by enhancing autonomy*. PI: Carcone. 1DP3DK113357-01. Source: NIH/NIDDK. Impact score: 37.

Role: Principal Investigator **2017 – 2022**
Title: *Predictors of success in transition to adult care by youth with HIV*. Co-PI: Nichols. 1R01HD092194-01. Source: NICHD. Not scored.

Role: Principal Investigator **2016 – 2021**
Title: *Predictors of success in transition to adult care by HIV+ youth*. 1R01HD089870-01 (Nichols, co-PI). Source: NIH/NICHD. Not scored.

Role: Co-investigator **2016 - 2021**
Title: *Translating an efficacious illness management intervention for African American youth with poorly controlled asthma to real world settings* (PIs: Ellis/Naar). 1R01AI123114-01. Source: NIAID. Not scored.

Role: Principal Investigator **2015 – 2020**
Title: *Cell phone support for youth non-adherent to ART (*Co-PI: Belzer). 1R01MH109406-01 Source: NIH/NIMH. Not scored.

Role: Co-investigator **2015 – 2018**
Title: *Developing a teach-back intervention to improve HIV management in youth* (PI: Nichols). 1R34MH108424-01. Source: NIH. Not scored.

Role: Co-investigator **2015 -- 2018**
Title: *MHealthyChoices for HIV-positive young MSM in Thailand* (PI: Rongkavilit). R34. Source: NIH. Impact score: 36, Percentile: 17.

Role: Principal Investigator **2015 -- 2018**
Title: *Development of a multi-component, technology-based intervention to promote adherence resiliency in Black young MSM with HIV.* 1R34MH108365-01.
Source: NIH/NIMH. Impact score: 55, Percentile: 46.

Role: Co-investigator **2015 -- 2018**
Title: *Developing a Teach-back intervention to improve HIV management in youth.* R34.(PI Nichols), Source: NIH/NIMH. Not scored.

Role: Co-investigator **2015 -- 2018**
Title: *MHealthyChoices for HIV-positive young MSM in Thailand*. 1R34MH107273-01 (PI: Rongkavilit), Source: NIH. Impact Score: 39, Percentile: 31.

Role: Co-investigator **2015– 2017**
Title: *An implementation intention intervention for teens' diabetes management*. R21. (PI: King), Source: NIH. Impact score: 22

Role: Co-investigator **2014– 2018**
Title: *Implementing Motivational Interviewing for substance use into adolescent HIV care.* 1R01DA038104-01 (PIs: Naar-King/Miller), Source: NIH/NIDA. Impact Score: 46.

Role: Co-investigator **2014– 2017**
Title: *Use of mobile technology in transition readiness for African American emerging adults with asthma* (PI: Gibson-Scipio), Source: Patient Centered Outcomes Research Institute. Score not applicable.

Role: Co-investigator **2013– 2015**
Title: *Chronic Illness self-management in children and adolescents with diabetes. R21* (PI: King), Source: NIH. Impact score: 40

Role: Data manager, analyst, and primary author **2013– 2014**
Title: *Secondary data analysis and manuscript preparation: Medication adherence in youth living with HIV*. Source: Adolescent Trials Network for HIV/AIDS Interventions (ATN 086/106). Score not applicable.

Role: Co-investigator/statistician **2013– 2017**
Title: *Motivational Enhancement System for Adherence (MESA) in youth starting ART* (PI: Naar-King), Source: NIH. Impact score: 38, Percentile: 22

Role: Consultant **2013– 2015**
Title: *Improving asthma device technique in inner city African American Preteens: Do It Right For Life Project!* (PI: Lam), Source: PhRMA Foundation. Score not applicable.

Role: Principal Investigator **2013– 2015**
Title: *Mixed-methods study of health resilience in African American young men-who-have-sex-with-men*, 1R21HD072827-01A1. Source: NIH/NICHD. Impact score: 46, Percentile: 52

Role: Co-investigator **2013– 2016**
Title: *Development of an MI implementation intervention for adolescent HIV care settings* (PI: Naar-King), 1 R34MH103049-01. Source: NIH/NIMH. Impact score: 31, Percentile: 19.

Role: Principal Investigator **2012– 2014**
Title: *Mixed-methods study of health resilience in African American youth with HIV*, 1R21HD072827-01. Source: NIH/NICHD. Impact score: 42, Percentile: 37

Role: Co-investigator **2012– 2016**
Title: *Motivational Enhancement System for Adherence (MESA) in youth starting ART* (R01; PI: Naar-king). Source: NIH. Impact score: 30, Percentile: 22.

Role: Consultant **2012 -- 2013**
Title: *Smartphone-based assessment and intervention system: African American teens with asthma* (PI: Lam/Shi). Source: President's Research Enhancement Program, Wayne State University. Score not applicable.

Role: Principal Investigator **2010 - 2013**
Title: *Multi-component technology intervention for minority emerging adults with asthma.* Source: NIH/NHLBI. Impact Score: 54.

PUBLICATIONS

Peer-Reviewed Publications

Reports of Original Work

1. Carcone, A. I., Hasan, M., Alexander, G., Dong, M., Eggly, S., Hartlieb, K. B., Naar, S., **MacDonell, K.**, & Kotov, A. (2019). Developing machine learning models for behavioral coding. Journal of Pediatric Psychology, jsy113, https://doi.org/10.1093/jpepsy/jsy113.

2. **MacDonell, K**., Pennar, A., King, L., Todd, L., Martinez, S., & Naar, S. (2019). Healthcare providers' competencies in Motivational Interviewing using a standard patient model of fidelity monitoring. *Journal of Adolescent Health, in press*.

3. Sayegh, C.S., **MacDonell, K.K.**, Clark, L., Downshen, N., Naar, S., Olson-Kennedy, J., van den Berg, J., & Belzer, M. (2018). The impact of cell phone support on psychosocial outcomes for youth living with HIV nonadherent to antiretroviral therapy. *AIDS and Behavior, 10*, 3357 – 3362.
   ***Mentored publication**

4. Dinaj-Koci, V*., Wang, B., Naar, S., **MacDonell, K.K.**, and the Adolescent Trials Network for HIV/AIDS Interventions. (2018). A multi-site study of social cognitive factors related to adherence among youth living with HIV in the new era of antiretroviral medication. *Journal of Pediatric Psychology*, https://doi.org/10.1093/jpepsy/jsy076.
   ***Mentored publication**

5. Belzer, M.E., **MacDonell, K.K.**, Ghosh, S., Naar, S., McAvoy-Banerjea, J., Gurung, S., Cain, D., Borkowski, T., Fan, C.A., & Parsons, J.T. (2018). Adaptive antiretroviral therapy (ART) adherence interventions for youth living with Human Immunodeficiency Virus (HIV) through text messaging (SMS) and cell phone support (CPS): sequential multiple assignment randomized trial (SMART) design. *JMIR Research Protocols,* 7(12):e11183.

6. Naar, S., **MacDonell, K.K.,** Chapman, J., Todd, L., Gurung, S., Cain, D., Dilones, R., & Parons, J. (2018). Tailored Motivational Interviewing implementation-effectiveness trial in multidisciplinary adolescent HIV care settings. *JMIR Research Protocols.*

7. **MacDonell, K.K.**, Naar, S. Gibson-Scipio, W., Bruzzese, J., Wang, B., & Brody, A. (2018). The Detroit Young Adult Asthma Project: Proposal for a multi-component technology intervention for African American emerging adults with asthma. *JMIR Research Protocols, 7(5), e98.*

8. **MacDonell, K.K.**, Naar, S., Gibson-Scipio, W., Lam, P., & Secord, E. (2016). The Detroit Young Adult Asthma Project: Pilot of a technology-based medication adherence intervention for African American emerging adults. *Journal of Adolescent Health, 59(4),* 465-71. Impact factor: 3.612.

9. **MacDonell, K.K.**, Jacques-Tiura, A., Naar, S., Fernandez, M. I., & the Adolescent Trials Network for HIV/AIDS Interventions (2016). Predictors of self-reported adherence to antiretroviral medication in a multi-site study of ethnic and racial minority HIV-positive youth. *Journal of Pediatric Psychology, 41,* 419-28. Impact factor: 2.620.*
   ***Top 20 most-cited publication in journal for 2017.**

10. Naar, S., Parsons, J., **MacDonell, K.K.**, Koken, J., & Starks, T. (2016). Implementing Healthy Choices in adolescent HIV clinics in the United States: A mixed methods study within an effectiveness-implementation hybrid trial. *International Journal of Behavioral Medicine*, 23, 233.

11. Belzer, M., **MacDonell, K. K**., Clark, L.F., Huang, J., Olson, J., Kahana, S.Y., Naar, S., Sarr, M., Thornton, S., & the Adolescent Trials Network for HIV/AIDS Interventions. (2015). Acceptability and feasibility of a cell phone support intervention for youth living with HIV with nonadherence to antiretroviral therapy. *AIDS Patient Care and STDs, 29(6),* 338-345. Impact factor: 3.497. *Role: Data analysis and manuscript writing.*

12. Chen, X., Yu, B., Gong, J., Zeng, J., & **MacDonell, K.K.** (2015). The Domestic Migration Stress Questionnaire (DMSQ): Development and psychometric assessment. *Journal of Social Science Studies, 2(2)*, 117-133. Impact factor: Awaiting. *Role: Manuscript writing.*

13. **MacDonell, K. K**., Carcone, A. I., Naar-King, S., Gibson-Scipio, W., & Lam, P. (2015). African American emerging adults' perspectives on taking asthma controller medication: Adherence in the "age of feeling in-between." *Journal of Adolescent Research,* doi: 10.1177/0743558414561299. Impact factor: 1.455.

14. Yan, Y., Jacques-Tiura, A.J., Chen, X., Xie, N., Chen, J., Yang, N., Gong, J. & **MacDonell, K.K**. (2014). Application of the Protection Motivation Theory in predicting cigarette smoking among adolescents in China. *Addictive Behaviors*, *39,* 181-188. Impact factor: 2.764. *Role: Manuscript writing.*

15. **MacDonell, K.**, Chen X, Yan Y, Li F, Gong J, et al. (2013). A Protection Motivation Theory-based scale for tobacco research among Chinese youth. *Journal of Addiction Research and Therapy, 4(3),* 154-164. Impact factor: 3.42.

16. **MacDonell, K**., Naar-King, S., Huszti, H., & Belzer, M. (2013). Barriers to medication adherence in behaviorally and perinatally infected youth living with HIV. *AIDS and Behavior, 1,* 86-93. Impact factor: 3.80.

17. Naar-King, S., Outlaw, A., Sarr, M., Parsons, J.T., Belzer, M., **MacDonell, K.,** Tanney, M., Ondersma, S., & the Adolescent Medicine Network for HIV/AIDS Interventions (2013). Motivational Enhancement System for Adherence (MESA): Pilot randomized trial of a brief computer-delivered prevention intervention for youth initiating antiretroviral treatment. *Journal of Pediatric Psychology, 38(6),* 638-648. Impact factor: 2.472. *Role: Manuscript writing.*

18. **MacDonell, K**., Gibson-Scipio, W., Lam, P., Naar-King, S., & Chen, X. (2012). Text messaging to measure asthma medication use and symptoms in urban African-American emerging adults: A feasibility study. *Journal of Asthma, 49,* 1092-1096. Impact factor: 1.802.

19. Li, H. Z., Zhang, Y., **MacDonell, K.,** Li, X. P., & Chen, X. (2012). Counseling Chinese patients about cigarette smoking: The role of nurses. *Health Education, 112(4).* Impact factor: 0.821. *Role: Manuscript writing.*

20. Tanney, M. R., Naar-King, S., **MacDonell, K.** (2012). Depression and stigma in high risk youth living with HIV: A multisite study. *Journal of Pediatric Health Care, 26(4), 300-305*. Impact factor: 1.440. *Role: Data analyses and manuscript writing.*

21. **MacDonell, K**., Brogan, K., Naar-King, S., Ellis, D., & Marshall, S. (2012). A pilot study of Motivational Interviewing targeting weight-related behaviors in overweight or obese African- American adolescents. *Journal of Adolescent Health, 50 (2),* 201-203. Impact factor: 3.612.

22. Chen, X., Ren, Y., Lin, F., **MacDonell, K**., & Jiang, Y. (2012). Exposure to school and community based prevention programs and reductions in cigarette smoking among adolescents in the United States, 2000-08. *Evaluation and Program Planning, 35,* 321-328. Impact factor: 1.394. *Role: Manuscript writing.*

23. Dempsey, A. G., **MacDonell, K**., Naar-King, S., & Lau, C-Y. (2012). Patterns of disclosure among youth who are HIV positive: A multisite study. *Journal of Adolescent Health, 50(3),* 315-317. Impact factor: 3.612. *Role: Data analyses and manuscript writing*.

24. **MacDonell, K. E.**, Naar-King, S., Murphy, D. A., Parsons, J. T., & Huszti, H. (2011). Situational temptation for HIV medication adherence in high risk youth. *AIDS Patient Care and STDs, 25(1*), 47-52. Impact factor: 3.497.

25. Carcone, A., **MacDonell, K**., Naar-King, S., Ellis, D., Cunningham, P., & Kaljee, L. (2011). Treatment engagement in a weight loss intervention for African American adolescents and their families. *Children's Healthcare, 40(3),* 232-252. Impact factor: 1.06. *Role: Study implementation, data analyses, and manuscript writing.*

26. **MacDonell, K.,** Naar-King, S., Murphy, D., Parsons, J., & Harper, G. (2010). Predictors of medication adherence in high risk youth of color living with HIV. *Journal of Pediatric Psychology,* 35, 593-601. Impact factor: 2.472

27. **MacDonell, K.,** Ellis, D., & Naar-King, S., & Cunningham, P. (2010). Predictors of home-based obesity treatment efficacy in African American youth. *Children's Healthcare, 39(1),* 1-14. Impact factor: 1.06.

28. Naar-King, S., **Kolmodin, K.,** Parsons, J.T., Murphy, D.A., & the ATN Protocol Team (2010). Psychosocial factors and substance use in high risk youth living with HIV: A multisite study. *AIDS Care,* 22, 475-482*.* Impact factor: 2.095. *Role: Data analyses and manuscript writing.*

29. Ellis, D.A., Janisse, H., Naar-King, S., **Kolmodin, K.,** Jen, K-L, Marshall, S., & Cunningham, P.B. (2010). The effects of multisystemic therapy on family support for weight loss among obese African American adolescents: Findings from a randomized controlled trial*. Journal of Behavioral and Developmental Pediatrics, 31*, 461-468. Impact factor: 1.750. *Role: Study implementation, data analyses, and manuscript writing.*

30. Naar-King, S., Parsons, J., Murphy, D., **Kolmodin, K**., Harris, R., & the ATN Protocol Team (2010). A multisite randomized trial of a motivational intervention targeting multiple risks in youth living with HIV: initial effects on motivation, self-efficacy and depression. *Journal of Adolescent Health, 46,* 422-428*.* Impact factor: 3.612. *Role: Data analyses and manuscript writing.*

31. Eckshtain, D., Ellis, D., **Kolmodin, K**., & Naar-King, S. (2010). The effects of parental depression and parenting practices on depressive symptoms and metabolic control in urban youth with insulin dependent diabetes. *Journal of Pediatric Psychology*, *35*, 426-35. Impact factor: 2.472. *Role: Data analyses and manuscript writing.*

32. Naar-King, S., Ellis, D., **Kolmodin, K**., Cunningham, P., Jen, K-L. C., Saelens, B., & Brogan, K. (2009). A randomized pilot study of Multisystemic Therapy targeting obesity in African American adolescents. *Journal of Adolescent Health, 45, 417-419.* Impact factor: 3.612. *Role: Study implementation, data analyses and manuscript writing.*

33. Naar-King, S., Ellis, D.A., **Kolmodin, K**., Cunningham, P., & Secord, E. (2009). Feasibility of adapting Multisystemic Therapy to improve illness management behaviors and reduce asthma morbidity in high risk African American youth: A case series. *Journal of Child and Family Studies, 18 (5),* 564-573*.* Impact factor: 1.42. *Role: Study implementation, data analyses and manuscript writing.*

34. Camras, L., & **Kolmodin, K.,** & Chen, Y. (2008). A comparison of parenting styles and emotional expressiveness among Chinese, Chinese American, and European American families*. International Journal of Behavioral Development, 32, 459-463.* Impact factor: 1.304. *Role: Study conception, design, implementation, data analyses, and manuscript writing.*

35. Bohnert, A., Richards, M., **Kolmodin, K.,** & Lakin, B. (2008). Young urban African American adolescents' experience of discretionary time activities. *Journal of Research on Adolescence, 18*, 517 – 539. Impact factor: 1.989. *Role: Data analyses and manuscript writing.*

Published Abstracts

1. Pennar, A., Naar, S., **MacDonell, K.K**. (2017). Beyond text message reminders: Translating basic neuroscience into a new adherence intervention for youth living with HIV. *Annals of Behavioral Medicine*, 51.

2. Jacques-Tiura, A.J., Naar, S., **MacDonell, K.K.**, & Parsons, J.T. (2017). Preliminary feasibility of the Nailstat procedure vs. self-reported alcohol consumption among HIV+ adolescents in motivational enhancement therapy. *Alcoholism: Clinical and Experimental Research, 41(S1)*, 227A.

3. Gibson-Scipio, W., **MacDonell, K.K.**, & Pearson, C. (2016). An exploration of the transition readiness needs of African American youth with asthma. *Am J Respir Crit Care Med, 193, A5537.*

4. **MacDonell, K. K.**, Gibson-Scipio, W.M., Lam, P., Naar-King, S., & Secord, E. (2015). The Detroit Young Adult Asthma Project: Feasibility and acceptability of a multi-component, technology-based intervention targeting adherence to controller medication. *Am J Respir Crit Care Med, 191,* A3634.

5. Gibson-Scipio, W.**, MacDonell, K. K.,** Yarandi, H., Pearson, C., & Wade, P. (2014). Transition readiness, asthma morbidity and asthma health related quality of life. *Am J Respir Crit Care Med, 189,* A4030.

6. **MacDonell, K.,** Gibson-Scipio, W., & Naar-King, S. (2012). The feasibility of text messaging to measure asthma medication use and symptoms in urban African American young adults. *Am J Respir Crit Care Med, 185*, A2206.

7. Brogan, K., **Kolmodin, K**., Naar-Ling, S., Ellis, D., Jen, K-L.C (2007). Use of multisystemic therapy with obese African American Adolescents living in Detroit: Preliminary nutritional results from the Family CATCH Project. *Obesity, 15*, A103.

PRESENTATIONS

Podium Presentations (Refereed)

1. **MacDonell, K.K.,**** Gibson-Scipio, W., & Naar, S. (2017, November). *Development and pilot of a technology-based intervention targeting adherence to medication in African American emerging adults with asthma.* Paper presented at the 8th Conference of Society for Study of Emerging Adulthood, Washington, D.C. ****chairperson of session.**

2. **MacDonell. K.K.**, Gibson-Scipio, W., Lam, P., Naar-King, S., & Secord, E. (2015, May). *The Detroit Young Adult Asthma Project: Feasibility and acceptability of a multi-component, technology-based intervention targeting adherence to controller medication.* Paper presented at American Thoracic Society International Conference, Denver, CO.

3. Belzer, M., **MacDonell, K.K.,** Naar-King, S., Kahana, S., Sarr, M., Thornton, S., Huang, J., Olson, J., & Clark, L. (2014, June). *Acceptability and feasibility of a cell phone support intervention for youth living with HIV nonadherent to antiretroviral therapy (ART).* Paper presented at 9th International Conference on HIV Treatment and Prevention Adherence, Miami, FL.

4. **MacDonell, K.,** Naar-King, S., Gibson-Scipio, W. & Lam, P. (2013, August). *Multi-step development of a technology-based asthma adherence intervention for African American emerging adults.* Paper presented at the 121st American Psychological Association Convention, Honolulu.

5. **MacDonell, K.,** Naar-King, S., Gibson-Scipio, W. & Lam, P. (2013, May). *Multi-step development of a dynamic asthma adherence intervention for African American emerging adults.* Paper presented at International Society for Research on Internet Interventions 6th Scientific Meeting, Chicago.

6. **MacDonell, K.,** Gibson-Scipio, W., & Naar-King, S. (2012, May). *The feasibility of text messaging to measure asthma medication use and symptoms in urban African-American young adults.* Paper* presented at American Thoracic Society International Conference, San Francisco, CA. **Abstract included in highlighted research section*

7. Ellis, D., **MacDonell, K*.,** Naar-King, S., Lam, P., Cunningham, P., Bruzzese, J., & Secord, E. (2012, April). *Improving adherence to controller medication in adolescents with asthma: Findings from a randomized controlled trial of Multisystemic Therapy (MST).* Paper presented at the Regional Conference in Pediatric Psychology, Milwaukee, WI. **Presenting author*

8. **MacDonell, K**., Brogan, K., & Naar-King, S. (2010, June). *Development of a motivational enhancement program for weight loss targeting African American adolescents and their primary caregiver.* Paper presented at the Second International Conference on Motivational Interviewing, Stockholm, Sweden.

9. Naar-King, S., Ellis, D.A., **Kolmodin, K.** , & Cunningham**.** (2009, August). *Randomized pilot trial of multisystemic therapy for African American adolescents with primary obesity.* Paper presented at the 117th American Psychological Association Convention, Toronto.

10. Naar-King, S., Waters, M., Ellis, D., **Kolmodin, K**., & Jen, K. L. (2007, June). *Multisystemic treatment of primary obesity in African American adolescents.* Abstract presented at the 67th Scientific Sessions of the American Diabetes Association, Chicago, IL.

Poster Presentations (Refereed)

1. **MacDonell, K.K.,** Pennar, A.L., Naar, S., Todd, L., Martinez, S., & Parsons, J. (2018, June). *Tailored Motivational Interviewing in adolescent HIV care: Utilizing a standard patient interaction model to assess provider competency*. Poster presented at the 13th International Conference on HIV Treatment and Prevention Adherence, Miami, FL.

2. Wang, B., Deveaux, L., Stanton, B., Barton, B., Boudreaux, E., & **MacDonell, K.** (2018, November). *School administrators' attitudes towards HIV prevention program and teachers' implementation of an evidence-based HIV intervention.* Poster presented at 2018 American Public Health Association Annual Meeting and Expo, San Diego, CA.

3. Jacques-Tiura, A.J., Naar, S., **MacDonell, K.K.**, & Parsons, J.T. (2017). Preliminary feasibility of the Nailstat procedure vs. self-reported alcohol consumption among HIV+ adolescents in motivational enhancement therapy. *Alcoholism: Clinical and Experimental Research, 41(S1)*, 227A.

4. Chen, J., Wang, B., Huang, X., MacDonell, K., Rongkavilit, C., Yu, G., Zeng, D., & McGrath, E. (2017, November). *Epidemiology of birth defects based on surveillance data from 2011-2015 in Guangxi, China: Comparison across five major ethnic groups.* Poster presented at 2017 American Public Health Association Annual Meeting and Expo, Atlanta, GA.

5. Gibson-Scipio, W., **MacDonell, K.K.,** & Pearson, C. (2016, May). *An exploration of the transition readiness needs of urban African American youth with asthma*. Poster presented at the American Thoracic Society International Conference, San Francisco, CA.

6. Gibson-Scipio, W., **MacDonell, K.K**, Yarandi, H., Pearson, C., & Wade, P. (2015, March). *Transition readiness, asthma morbidity and asthma health related quality of life*. Poster accepted for presentation at the Society for Adolescent Health and Medicine Annual Meeting, Los Angeles, CA.

7. Gibson-Scipio, W., **MacDonell, K.K**, Yarandi, H., Pearson, C., & Wade, P. (2014, May). *Transition readiness, asthma morbidity and asthma health related quality of life.* Poster presented at the American Thoracic Society International Conference, San Diego, CA.

8. **Kolmodin, K**., & Naar-King, S. (2009, April). *Predictors of medication adherence in high risk youth of color living with HIV*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

9. **Kolmodin, K**., Naar-King, S., Ellis, D., Brogan, K., Cunningham, P., Jen, C., & Marshall, S. (2008, April). *The Family C.A.T.C.H. Project: Adapting multisystemic therapy (MST) for intervention with overweight African American youth.* Poster presented at the National Conference on Child Health Psychology, Miami Beach, FL.

10. Idalski, A. M., **Kolmodin, K.**, Naar-King, S., Ellis, D. A., & Cunningham, P. B. (2008, January) *Improving retention in family therapy for overweight urban youth: A qualitative approach to understanding treatment engagement.* Poster presented at the 12th Annual Conference: Research That Matters. Society for Social Work and Research, Washington, D.C.

11. Brogan, K., **Kolmodin, K**., Naar-King, S., Ellis, D., Jen, C. (2007, October). *Use of Multisystemic therapy with obese African American adolescents: Preliminary results from the Family C.A.T.C.H. Project*. Poster presented at the annual scientific meeting of the North American Society for the Study of Obesity, New Orleans, LA.

12. **Kolmodin, K**., Naar-King, S., Ellis, D., & Brogan, K. (2007, June). *A social ecological model of obesity in overweight African American adolescents.* Poster presented at the 67th Scientific Sessions of the American Diabetes Association, Chicago, IL.

13. Peters, T., & **Kolmodin, K**. (2006, May). *Parent-child conversations about past emotional Events*. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

14. Brodson, N., **Kolmodin, K**., Haden, C., & Ornstein, P. (2005, April). *Child language, temperament, and maternal reminiscing style: Linkages to children's remembering.* Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.

15. Copple, R., Haden, C., **Kolmodin, K**., Brodson, N., & Ornstein, P. (2005, April). *Mother-child reminiscing: Patterns of elaboration as a function of age and the events discussed.* Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.

16. **Kolmodin, K.**, Brodson, N., Copple, R., Haden, C., & Ornstein, P. (2004, July). *Child language, temperament, and maternal reminiscing style: Linkages to children's remembering,* Poster presented at the annual convention of the American Psychological Society, Chicago, IL.

17. **Kolmodin, K.**, Hedrick, A., & Gilkerson, L. (2004, May). *The experience of infantile colic: Stories from parents.* Poster presented at the International Conference on Infant Studies, Chicago, IL.

18. **Kolmodin, K.**., Brodson, N., Tell, D., & Richards, M. (2003, August). *The experience of discretionary time in urban African American youth*. Poster presented at the annual convention of the American Psychological Association, Toronto, ON.

19. **Kolmodin, K.** (2003, April). *A comparison of parenting styles and emotional expressiveness among Chinese, Chinese American and European American families.* Poster Presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

20. Tracy, R., **Kolmodin, K**., & Papademetriou, E. (2002, May). *Reframing within proverbs*. Paper presented at the annual Midwestern Psychological Association Convention, Chicago, IL.

Local Meetings

ElFishawy, S., Hashmi, M., Durkin, J., Dailey, R., & **MacDonell, K.K.** (2018, July). *Measuring self-reported asthma medication adherence and asthma control following a multicomponent, technology-based public health intervention*. Poster presented at ReBUILD Detroit Research Day, Detroit, MI.

Kolmodin, K., Naar-King, N., Ellis, D., Brogan, K., Cunningham, P., Jen, C., & Marshall, S. (2007, November). *The Family C.A.T.C.H. Project: Adapting multisystemic therapy (MST) for intervention with overweight African American youth.* Poster presented at the Wayne State University Conference on Health Disparities, Detroit, MI.

Invited Lectures/Presentations

Wayne State University

Gibson-Scipio, W., & **MacDonell, K.K.*** (April, 2018). *African American Adolescents and Emerging Adults with Asthma: Challenges and Solutions to Self-Management.* Talk/breakout session presented at Contemporary Issues in Urban Health: Nursing Science Shaping the Future, Detroit, MI. ***Co-presenters**

Seminars and Grand Rounds

MacDonell, K.K. (2019, February). *Adherence in Pediatric Psychology*. Talk presented for Children's Hospital Clinical Psychology Internship Program, Children's Hospital of Michigan, Detroit, MI.

MacDonell, K.K. (2018, March). *Adherence in Pediatric Psychology*. Talk presented for Children's Hospital Clinical Psychology Internship Program, Children's Hospital of Michigan, Detroit, MI.

MacDonell, K.K. (2017, January). *The Detroit Young Adult Asthma Project: Pilot of a technology-based medication adherence intervention for African American emerging adults.* Talk presented for Physicians for Social Responsibility, Wayne State University School of Medicine, Detroit, MI.

MacDonell, K.K. (2016, November). *The Detroit Young Adult Asthma Project: Pilot of a technology-based medication adherence intervention for African American emerging adults.* Talk presented at College of Nursing, Wayne State University, Detroit, MI.

MacDonell, K. **K**. (2014, November). *Objective measures of medication adherence*. Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

Chen, J., **MacDonell, K**., Naar-King, S. (2013, February). *Trajectory analysis: Understanding differential treatment response.* Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

MacDonell, K. (2012, April). *Exploring the daily experiences of young adults living with asthma*. Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

MacDonell, K. (2011, March). *Asthma management in adolescents and young adults*. Talk presented at Children's Hospital of Michigan Psychiatry/Psychology Department, Detroit MI.

MacDonell, K. (2011, March). *Adolescent risk-taking behavior: Substance use.* Talk presented at Children's Hospital of Michigan Medical Residency Seminar, Detroit, MI.

MacDonell, K. (2010, December). *Ecological Momentary Assessment (EMA) to explore health behavior.* Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

Kolmodin, K. (2008, October). *The Family C.A.T.C.H. Project: Overview and outcomes*. Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

Kolmodin, K. (2007, August). *Evidence-based practices and the CONSORT statement.* Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

Kolmodin, K. (2007, January). *Culture, ethnicity, and children's facial expressions*. Talk presented at Pediatric Prevention Research Center, Wayne State University School of Medicine, Detroit, MI.

Loyola University Chicago

Kolmodin, K. & Hedrick, A. (2004, April). *Infantile colic: The experience of parents of "fussy" babies.* Talk presented at the Developmental and Child Clinical Program Lecture Series, Loyola University Chicago.

Kolmodin, K. (2003, October). *A comparison of parenting styles and emotional expressiveness among Chinese, Chinese American, and European American families*. Talk presented at the Developmental and Child Clinical Program Lecture Series, Loyola University Chicago.

Research Methods in Public Health (FPH 7210), Fall 2018
Topic: Research Ethics

Laboratory in Developmental Psychology (Psych 318), Fall 2005
Topic: The Debate over the Importance of the 1st 3 Years

Developmental Psychology (Psych 273), Fall 2004
Topic: The Intelligence (IQ) Debate

Other Institutions

MacDonell, K.K., Belzer, M., Ghosh, S., Banjerea-McAvoy, J. (2018, October). *A SMART Trial Evaluating Implementation of Text Messaging, Cell Phone Support, and Contingency Management in Youth Nonadherent to Antiretroviral Medication.* Talk presented at the Adolescent Medicine Trials Network for HIV/AIDS Interventions Fall Meeting, Washington, DC.

MacDonell, K.K. (2018, February). *The Detroit Young Adult Asthma Project: Research in Action to Improve Health*. Talk presented at Albion College, Albion, MI.

MacDonell, K. (2011, March). *Asthma management in emerging adulthood.* Talk presented at Schoolcraft College (Lifespan Development course), Livonia, MI.

Kolmodin, K. (2006, March). *Children's understanding of emotions: Influences of the home and the kindergarten classroom*. Talk presented at Cornell College, Mount Vernon, IA.