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Wayne State University
Integrative Biosciences (IBio) Center
6135 Woodward Ave, Rm 119
Detroit, MI 48202

RESEARCH INTERESTS

The overarching theme of my research is to study the social, behavioral, and biological determinants of physical and mental health with an orientation towards communities. By focusing on the reciprocal relationship between individuals and the communities in which they live, I strive to fuse social epidemiological methods with social work practice to develop effective, evidence-based, community-level interventions that target social determinants of health (SDoH). More specifically, my research is linked to three broad and interrelated questions:

- 1) How do stressors, stress processing, and coping from an allostatic load perspective of biological dysregulation affect health outcomes?
- 2) How do neighborhood and community specific social relationships (e.g., collective efficacy, social capital, collective action), conditions of the built-environment, and neighborhood perceptions impact health and well-being outcomes?
- 3) How can big data along with advanced analytics and statistical methodologies be leverage to better understand and address SDoH and health disparities?

EDUCATION

- | | |
|-----------|--|
| 2016-2019 | Doctor of Philosophy in Social Work
<i>Graduate Minor in Research Methodology</i>
Saint Louis University
College for Public Health and Social Justice
School of Social Work |
| 2005-2006 | Master of Social Work
<i>Concentration in Social and Economic Development</i>
Washington University in St. Louis
Brown School of Social Work |
| 2001-2005 | Bachelor of Science in Social Work and Psychology
<i>Minor in Criminal Justice</i>
<i>Completion of the General Honors Program</i>
State University of New York at Plattsburgh |

ACADEMIC APPOINTMENTS

2019-Present	Assistant Professor School of Social Work Wayne State University	Detroit, Michigan
2019-Present	Director of Research Activity Office for Community Engaged Research (OCEnR) Translational Science and Clinical Research Innovation Initiative Integrative Biosciences (IBio) Center Wayne State University	Detroit, Michigan
Spring/Summer 2019	Adjunct Faculty Member Graduate School of Social Services Fordham University	New York, New York
Summer 2017/ 2018	Learning Lab Instructor Summer at SLU Program in Global Public Health Saint Louis University	Saint Louis, Missouri
2011-2016	Adjunct Assistant Professor School of Social Work College for Public Health and Social Justice Saint Louis University	Saint Louis, Missouri
2008-2012	Adjunct Faculty Member Brown School of Social Work Washington University in St. Louis	Saint Louis, Missouri

FUNDING UNDER REVIEW

Hidden Profiles of Stress and Their Associations with Mortality

Funder: Wayne State University, Office of the Provost, University Research Grant Program

Role: Principal-investigator

Submission Date: November, 2020

Amount: \$9,999

UNFUNDED APPLICATIONS

Assessing the Post-Recovery Effects of Covid-19 Infection and Stress on Cardiovascular Health Among First Responders and Frontline Health Care Workers

Funder: American Heart Association

Role: Co-investigator (PI: Levy, P.D.)

Submission Date: April, 2020

Amount: \$100,000

Interpersonal Relationships and Substance Craving: An Ecological Assessment.

Funder: National Institutes of Health.

Role: Co-investigator (PI: Brown, S.)

Submission Date: March, 2020

Amount: \$1,783,696

AI Institute: Planning: Rethinking and redefining social determinants of health for promoting public health in AI era.

Funder: National Science Foundation.

Role: Co-principal investigator (with Dongxiao, Z., computer science; Tsveti, M., medicine; Ramona, B., nursing; Levy, P.D, medicine)

Submission Date: January, 2020.

Amount: \$499,964.

Panel Recommendation: Competitive

PEER-REVIEWED PUBLICATIONS

*Names of student coauthors are underlined.

24. **Carbone, J. T.**, & Clift, J. (Forthcoming). Neighborhood social integration as a predictor of neighborhood perceptions. *Journal of Community Psychology*.
<https://doi.org/10.1002/jcop.22536>
23. **Carbone, J. T.**, Kremer, K. P., Holzer, K. J. Kondis, J. S. & Vaughn, M. G. (Forthcoming). Emergency department admissions for physical child abuse: Evidence from the 2010-2016 Nationwide Emergency Department Sample. *Journal of Interpersonal Violence*.
22. Murugan, V., Holzer, K. J., Vaughn, M. G., **Carbone, J. T.**, Jackson, D. B., & Bitter, C. C. (Forthcoming). Correlates of Diagnostic Coding of Sexual Assaults by Emergency Physicians. *Western Journal of Emergency Medicine*. <https://doi.org/10.5811/westjem.2020.12.49045>
21. **Carbone, J. T.** (2020). Allostatic load and mental health: A latent class analysis of physiological dysregulation. *Stress: The International Journal on the Biology of Stress*.
<https://doi.org/10.1080/10253890.2020.1813711>
20. **Carbone, J. T.** (2020). The mediating effect of allostatic load on the relationship between neighborhood perceptions and depression. *SSM Population Health, 11*, 100638.
<https://doi.org/10.1016/j.ssmph.2020.100638>
19. **Carbone, J. T.** (2020). Neighborhood perceptions and allostatic load: Evidence from Midlife in the United States Study. *Health & Place, 61*, 102263.
<https://doi.org/10.1016/j.healthplace.2019.102263>
18. **Carbone, J. T.**, Holzer, K. J., Vaughn, M. G., & DeLisi, M. (2020). Homicidal ideation and forensic psychopathology: evidence from the 2016 Nationwide Emergency Department Sample (NEDS). *Journal of Forensic Sciences, 65*, 154-159. <https://doi.org/10.1111/1556-4029.14156>
17. Helton, J. J., **Carbone, J. T.**, Vaughn, M. G., & Cross, T. P. (2020). Emergency department admissions for child sexual abuse in the United States from 2010 to 2016. *JAMA Pediatrics, 174*, 89-91. <https://doi.org/10.1001/jamapediatrics.2019.3988>

16. Korzeniewski S. J., Bezold C., **Carbone J. T.**, Danagoulian S., Foster B., Misra D., El-Masri M. M., Zhu D., Welch R., Meloche L., Hill A., & Levy, P. (2020). The Population Health Outcomes and Information Exchange (PHOENIX): A transformative approach to reduce the burden of chronic disease. *Online Journal of Public Health Informatics*, 12(1), e13. <https://doi.org/10.5210/ojphi.v12i1.10456>
15. Matthieu, M. M., & **Carbone, J. T.** (2020). Collective action among United States Veterans: Understanding the importance of self-efficacy, collective efficacy, and social support. *Journal of Community Psychology*, 48, 1985-96. <https://doi.org/10.1002/jcop.22397>
14. McMillin, S. E. & **Carbone, J. T.** (2020). A skillset and a stance: Program planning for cultural competence and cultural humility in home visitation. *Evaluation and Program Planning*, 81, 101819. <https://doi.org/10.1016/j.evalprogplan.2020.101819>
13. Vaughn, M. G., **Carbone, J. T.**, DeLisi, M., & Holzer, K. J. (2020). Homicidal ideation among children and adolescents in the United States: New evidence. *Journal of Pediatrics*, 219, 216-222. <https://doi.org/10.1016/j.jpeds.2019.12.045>
12. **Carbone, J. T.** (2019). Bonding social capital and collective action: Associations with residents' perceptions of their neighbourhoods. *Journal of Community and Applied Social Psychology*, 29, 504-519. <https://doi.org/10.1002/casp.2415>
11. **Carbone, J. T.**, Holzer, K. J., & Vaughn, M. G. (2019). Child and adolescent suicidal ideation and suicide attempts: Evidence from the Healthcare Cost and Utilization Project. *The Journal of Pediatrics*, 209, 225-231. <https://doi.org/10.1016/j.jpeds.2018.10.017>
10. **Carbone, J. T.**, Holzer, K. J., & Vaughn, M. G. (2019). Posttraumatic stress disorder among low-income adolescents experiencing family-neighborhood income disparities. *Journal of Traumatic Stress*, 32, 899-907. <https://doi.org/10.1002/jts.22452>
9. **Carbone, J. T.** & McMillin, S. E. (2019). Reconsidering collective efficacy: The roles of perceptions of community and strong social ties. *City & Community*, 18, 1068-1085. <https://doi.org/10.1111/cico.12413>
8. **Carbone, J. T.** & McMillin, S.E. (2019). Neighborhood collective efficacy and collective action: The role of civic engagement. *Journal of Community Psychology*, 47, 311-326. <https://doi.org/10.1002/jcop.22122>
7. Holzer, K. J., **Carbone, J. T.**, DeLisi, M., & Vaughn, M. G., (2019). Traumatic brain injury and coextensive psychopathology: New evidence from the 2016 Nationwide Emergency Department Sample (NEDS). *Journal of Psychiatric Research*, 114, 149-152. <https://doi.org/10.1016/j.jpsychires.2019.05.002>
6. McMillin, S. E., & **Carbone, J. T.** (2019). Transit crime as a barrier to qualitative urban health research with older adults. *Journal of Gerontological Social Work*, 62, 399-404. <https://doi.org/10.1080/01634372.2019.1577320>
5. Salas-Wright, C. P., **Carbone, J. T.**, Holzer, K. J., & Vaughn, M. G. (2019). Prevalence and correlates of cannabis poisoning diagnosis in a national emergency department sample. *Drug and Alcohol Dependence*, 204, 107564. <https://doi.org/10.1016/j.drugalcdep.2019.107564>

4. Vaughn, M. G., Holzer, K. H., **Carbone, J. T.**, & Salas-Wright, C. P. (2019). Arthropod bites and stings treated in emergency departments: Recent trends and correlates. *Wilderness & Environmental Medicine*, 30, 394-400. <https://doi.org/10.1016/j.wem.2019.05.010>
3. Xie, J., Hu, Y., Lu., C. Fu, Q., **Carbone, J. T.**, Wang, L., & Lu., D. (2019). What are the risk factors of negative patient experience? A cross-sectional study in Chinese public hospitals. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*, 56, 1-7. <https://doi.org/10.1177/0046958019847865>
2. **Carbone, J. T.** & McMillin, S. E. (2018). More than place-based: Viewing geography on a continuum and the implications for social work practice. *Families in Society*, 99, 121-133. <https://doi.org/10.1177/1044389418768523>.
1. **Carbone, J. T.**, & McMillin, S.E. (2017). Social impact bonds: A social impact approach to facilitating community development. *Perspectives on Social Work* 13(1), 4-13.

MANUSCRIPTS UNDER REVIEW

2. **Carbone, J. T.**, Dell, N. A., Issa, M., & Watkins, M. A. (Revised and resubmitted). Associations between allostatic load and post-traumatic stress disorder: A scoping review. *Health and Social Work*.
1. **Carbone, J. T.**, Jackson, D. B., Holzer, K. J., & Vaughn, M. G. (Under review). Childhood adversity, suicidality, and non-suicidal self-injury among children and adolescents admitted to emergency departments. *Annals of Epidemiology*.

PEER-REVIEWED PRESENTATIONS

22. **Carbone, J. T.**, Dell, N. A., Issa, M., & Watkins, M. A. (2021). *Associations Between Allostatic Load and Post-Traumatic Stress Disorder: A Scoping Review*. Poster presentation at the Society for Social Work Research Annual Conference. Virtual Conference due to COVID-19 pandemic.
21. Cross, T. P., Helton, J. J., & **Carbone, J. T.** (November, 2020). *Increase in Emergency Department Admissions for Child Sexual Abuse in the United States from 2010 to 2016*. Oral Presentation at the Annual Meetings of the Criminology Consortium. Virtual Conference due to COVID-19 pandemic.
20. **Carbone, J. T.**, Jackson, D. B., Vaughn, M. G., & Testa, A. (2020). *Adverse Childhood Experiences and Homicidal Ideation: Findings From the 2012-2016 Nationwide Emergency Department Sample (NEDS)*. Oral presentation accepted for the American Society of Criminology Meeting, Washington, D.C. Meeting was canceled due to COVID-19 pandemic.
19. Cross, T. P., Helton, J. J., **Carbone, J. T.**, & Vaughn, M. G. (2020). *Increase in Emergency Department Admissions for Child Sexual Abuse in the United States from 2010 to 2016*. Oral presentation accepted for the American Society of Criminology Meeting, Washington, D.C. Meeting was canceled due to COVID-19 pandemic.

18. **Carbone, J. T.** & McMillin, S. E. (January, 2020). *Who Participates? Identifying the Profiles of Civic Engagement and Their Associated Sociodemographic Characteristics*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
17. Holzer, K. J., Murugan, V., **Carbone, J. T.**, Vaughn, M. G. & Jackson, D. B. (January, 2020). *Emergency Department Visits for Confirmed Cases of Intimate Partner Violence*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
16. McMillin, S. E. & **Carbone, J. T.** (January, 2020). *Positive Deviance as a Social Innovation for the Prevention Program Workforce*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
15. McMillin, S. E., Wolfer, T. A., **Carbone, J. T.**, & Wilson, B. (January, 2020). *Roundtable on Positive Deviance for Social Work as an Approach to Reduce Racial and Economic Inequality*. Society for Social Work Research Annual Conference, Washington, DC.
14. **Carbone, J. T.** & Vaughn, M. G. (November, 2019). *Alcohol-related motor vehicle accidents and mental health disorders: Evidence from a national sample of emergency departments*. Oral presentation at the American Society of Criminology Annual Meeting, San Francisco, CA.
13. Holzer, K. J., Vaughn, M. G. **Carbone, J. T.**, Salus-Wright, C. P. (November, 2019). *Substance abuse and medical conditions among older persons diagnosed with antisocial personality disorder*. Oral presentation at the American Society of Criminology Annual Meeting, San Francisco, CA.
12. **Carbone, J. T.** (January, 2019). *Applying propensity score matching to assess if social integration predicts neighborhood perceptions*. Poster presentation at the Society for Social Work Research Annual Conference, San Francisco, CA.
11. **Carbone, J. T.** & Holzer, K. J. (January, 2019). *The association between low-income neighborhoods and post-traumatic stress disorder diagnoses among children on Medicaid: Applying the income inequality hypothesis*. Oral presentation at the Society for Social Work Research Annual Conference, San Francisco, CA.
10. **Carbone, J. T.** & McMillin, S. E. (January, 2019). *Community meetings as a predictor of collective action: Applying propensity score matching to strengthen causal inference*. Poster presentation at the Society for Social Work Research Annual Conference, San Francisco, CA.
9. McMillin, S. E. & **Carbone, J. T.** (January, 2019). *Resilience and routine as components of organizational mindfulness in home visitation*. Oral presentation at the Society for Social Work Research Annual Conference, San Francisco, CA.
8. McMillin, S. E. & **Carbone, J. T.** (January, 2019). *"Risky" Neighborhoods and "Local" Communities: Investigating How Managers Understand Neighborhoods and Communities in Home Visitation*. Poster presentation at the Society for Social Work Research Annual Conference, San Francisco, CA.

7. **Carbone, J. T.** (January, 2018). *Bonding social capital and collective action with neighbors: Associations with residents' perceptions of their neighborhoods*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
6. **Carbone, J. T. & McMillin, S. E.** (January, 2018). *Does success strengthen trust? The role of community improvement efforts in building neighborhood trust*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
5. **McMillin, S. E. & Carbone, J. T.** (January, 2018). *Perceptions of neighbors as predictors of liking where you live*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
4. **McMillin, S. E., Carbone, J. T., & Naeger, S.** (January, 2018). *"So I can sleep at night:" Nonprofit managers' responses to staff reductions*. Poster presentation at the Society for Social Work Research Annual Conference, Washington, DC.
3. **Carbone, J. T. & McMillin, S. E.** (January, 2017). *Does success strengthen trust? The role of community improvement efforts in building neighborhood trust*. Poster presentation at the Annual Saint Louis University College for Public Health and Social Justice Doctoral Research Symposium, Saint Louis, Missouri.
2. **Carbone, J. T.** (June, 2017). *Applying game theory to understand the role of stakeholder engagement in community development outcomes*. Poster presentation at the Community Development Society Annual International Conference, Big Sky, MT.
1. **McMillin, S. E., Naeger, S. & Carbone, J. T.** (January, 2017). *When you care about families, you are always willing to try something new: Social innovation in home visitation*. Oral presentation at the Society for Social Work Research Annual Conference, New Orleans, LA.

PROFESSIONAL PRACTICE EXPERIENCE

- 2015-2016 **Economic Development Specialist** Watkins Glen, New York
 Schuyler County Partnership for Economic Development (SCOPEd)
- Lead the drafting of Schuyler County's portion of the Upstate Revitalization Initiative Plan, resulting in a \$4,000,000 grant.
 - Assisted Executive Director in formulating and implementing strategic priorities related to a cluster-based economic development strategy.
 - Revamped micro-finance loan program and increased participation by 100%.
 - Led the effort to form a 501(c)3 community development corporation.
- 2012-2014 **President & Executive Director** Saint Louis, Missouri
 Lemay Development Corporation
- Oversaw all aspects of the organization's operations and implemented strategic plan.
 - Secured more than \$2,300,000 in grant funding for economic development initiatives through area foundations and governmental entities.
 - Collaborated with other non-profits, governmental entities, and other groups in a manner that allowed the organization to advance its mission.
 - Supervised practicum students.

2011-2012 **Economic Development Director** Saint Louis, Missouri
Lemay Development Corporation

- Led the planning and implementation of the organization’s redevelopment efforts.
- Worked with residents, local businesses, potential developers, architects, engineers, planners, and other relevant professionals to facilitate revitalization efforts.
- Managed property assemblage and land banking for future development activities.
- Worked with the local government and other nonprofits to plan and implement streetscape and community branding initiatives.

2007-2011 **Housing & Economic Development Manager** East Saint Louis, Illinois
Emerson Park Development Corporation

- Secured over \$2,350,000 in operational and programmatic grant funding from federal, state, and local source.
- Developed or redeveloped multiple housing projects that resulted in the organization’s portfolio of owned and managed rental properties increasing from 3 to over 50 units.
- Served as the organization’s liaison to numerous community boards and taskforces.
- Assisted or led on organizational activities such as board governance support and strategic plan development and implementation.
- Supervised practicum students.

UNIVERSITY SERVICE

2020-Present *Board Member*
Wayne State University COVID-19 Biobank Governance Board

2020-Present *Committee Member*
Wayne State University School of Social Work Budget Advisory Committee

2020-Present *Committee Member*
Wayne State University School of Social Faculty Hearing Panel

2020-Present *Committee Member*
Wayne State University School of Social Student Academic Review Committee
(Fall and Winter Semesters)

PROFESSIONAL MEMBERSHIPS

2020-Present *Member*
Community Development Advocates of Detroit (CDAD)

2017-Present *Member*
Society for Social Work Research (SSWR)

PROFESSIONAL BOARDS & COMMITTEES

2016	<i>Public Health Professionals Advisory Committee Member</i> Schuyler County Department of Public Health	Watkins Glen, New York
2015-2016	<i>Housing Committee Member</i> Schuyler County Planning Department	Watkins Glen, New York
2015-2016	<i>Comprehensive Plan Implementation Committee Member</i> Schuyler County Planning Department	Watkins Glen, New York
2015-2016	<i>Board Member</i> Community Dispute Resolution Center	Ithaca, New York
2013-2014	<i>Advisory Council Member</i> Lemay Child & Family Center	Saint Louis, Missouri
2013-2014	<i>Generation NeXt Board Member</i> Midwest BankCentre	Saint Louis, Missouri
2012-2014	<i>Façade Improvement Program Committee Member</i> St. Louis County Port Authority	Saint Louis, Missouri
2011-2014	<i>Program Planning Advisory Committee Member</i> Lemay Housing Partnership	Saint Louis, Missouri
2011-2014	<i>Technical Planning Subcommittee Member</i> <i>Housing Subcommittee Member</i> <i>Affordable Housing Working Group Chairperson</i> East-West Gateway Coordinating Council of Governments St. Louis Regional Plan for Sustainable Development	Saint Louis, Missouri
2011-2012	<i>Community Engagement Subcommittee Member</i> American Planning Association – Saint Louis Chapter	Saint Louis, Missouri
2011	<i>Developers Advisory Committee Member</i> Housing Action Illinois	Chicago, Illinois
2011-2014	<i>Social and Economic Development Concentration</i> <i>Advisory Committee Member</i> Brown School of Social Work at Washington University in St. Louis	Saint Louis, Missouri
2010-2014	<i>Community & Organizations Concentration Curriculum</i> <i>Committee Member</i> Saint Louis University School of Social Work	Saint Louis, Missouri
2009-2010	<i>Executive Committee Member</i> Affordable Workforce Housing Association (Now the Missouri Workforce Housing Association)	Saint Louis, Missouri