

Curriculum Vitae

George J. Musa, PhD
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Personal Data:

Name George J. Musa

Academic Appointments/Work Experience

08/2015 - Present	Columbia University <i>Assistant Professor of Clinical Epidemiology (in Psychiatry), (Departments of Psychiatry and Epidemiology) teach: Field Methods for Epidemiology</i>	New York
11/2014	School of Medicine National Yang-Ming University <i>Guest Lecturer: GIS Methods in Public Health</i>	Taipei, Taiwan, ROC
2014 – 2017	Department of Urban Studies Long Island University - Brooklyn <i>Adjunct Faculty: Introduction to Geographic Information Systems, Introduction to GIS in Public Health, Research Design for Urban Studies</i>	Brooklyn, NY
2006 – 5/2013	Department of Geography Hunter College – City University of New York <i>Adjunct Lecturer: Research Design for Geography, Introduction to Geographic Information Systems, Geographic Information Systems, Introduction to Geographic Methods</i>	New York, NY
06/2004 - 2016	National Health Research Institute <i>Guest Lecturer and GIS Consultant: Introduction to Spatial Data Analysis, GIS Data Seminar: Web Services and Dasyetric Mapping, Introduction to GIS in Public Health</i>	Taipei, Taiwan, ROC
09-2003 – 2012	Department of Epidemiology Mailman School of Public Health, Columbia University <i>Guest Lecturer: Field Methods for Epidemiology</i>	New York, NY
05/2008	National Taiwan University <i>Guest Lecturer: Use of GIS for Disease Surveillance & GIS Consultant</i>	Taipei, Taiwan, ROC
05/2008	China Medical University <i>Guest Lecturer: GIS Methods in Public Health & GIS Consultant</i>	Taichung, Taiwan, ROC
3/1995 – Present	Columbia University – New York State Psychiatric Institute / Research Foundation for Mental Hygiene	

Research Scientist (current). Past roles include: Research Technician, Data Manager and Field Coordinator

Training

09/2003 – 05/2005	Department of Earth & Environmental Sciences Graduate Center - City University of New York <i>National Science Foundation: MAGNET-STEM AGEP Doctoral Study Fellowship</i>	New York, NY
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Education

09/2003 – 02/2013	Graduate Center, City University of New York (CUNY) PhD, February 2013 Major: Earth & Environmental Sciences – Medical Geography (Dr. William Solecki, Advisor) Dissertation: Musa, G. J. (2013). <i>Does Geography Matter? Neighborhood Effects on Post-Traumatic Stress Disorder of NYC Public School Children after 9/11</i> . City University of New York.	New York, NY
09/2003 – 05/2010	Graduate Center, City University of New York (CUNY) M.Phil, Earth & Environmental Sciences - Medical Geography	New York, NY
09/2003 – 05/2006	Hunter College, City University of New York (CUNY) MA, Geography	New York, NY
01/2000 – 05/2003	Hunter College, City University of New York (CUNY) BA, Geography & Computer Science/Chinese Culture (Minor)	New York, NY
09/1995 – 06/1999	Westchester Community College AA, Liberal Arts/Humanities & AAA - Visual Arts	Valhalla, NY
10/1988 – 06/1991	Connecticut Institute of Art Commercial & Fine Arts Diploma	Greenwich, CT

Honors & Awards

2003 – 2005	National Science Foundation: MAGNET-STEM AGEP Doctoral Study Fellowship
2003	Gordon Darkenwald Graduate Study Award
2003	National Council for Geographic Education
1997	Beacon 1997, A Conference for Student Scholars at Two-Year Colleges – Communications Category: First Prize Winner (Scholarship)
1991	Phi Theta Kappa (International Honor Society for Two-Year Colleges), Westchester Community College

Professional Organizations, Societies and Services

Memberships and Positions

Association of American Geographers

NYS GIS Association

NYC Geospatial Information Systems and Mapping Organization (GISMO)

Fellowship and Grant Support

Past Support

- 09/2012 - 08/2017 NCE: The Impact of 9/11 on Youth: Mental Health, Substance Use & Other Risk Behaviors, Principal Investigator: Christina W. Hoven, NIOSH/CDC, 5U01 OH0104114.
- 07/2015 - 06/2017 NCE: Context and Ethnic Diversity: Children's Responses to 9/11, Principal Investigator: Christina W. Hoven, NIOSH/CDC, 1U01 OH010721-01A1. Role: Co-Investigator.
- 09/2012 – 08/2015: Principal Investigator: Christina W. Hoven. *Mental Health Service Need and Use Among Youth Exposed to the WTC Attack* NIOSH, U01 OH010413-01
- 01/2014 - 04/2015: Adolescent and family decision-making In time of disaster, Principal Investigator: Christina W. Hoven; Co-Principal Investigators: **George J. Musa** & Lawrence Amsel; Coastal Storm Awareness Program (CSAP) administered by the Sea Grant programs of New Jersey, New York and Connecticut. 15 Month Funding: \$149,970
- 06/2006 - 06/2013: Violence and Mental Health: Children of First Responders, Principal Investigator: Christina W. Hoven, NICHD, 5R01 HD046786.
- 04/2009 - 07/2012: School-Based Mental Health Clinical Interventions, Co-Principal Investigator: Christina W. Hoven, NYC Dept. of Education, USDOE 1005461, Evaluation subcontract from Principal Investigator: A Eisinger
- 10/2010 - 09/2011: Suicide in Young People in Tajikistan, Principal Investigator: Christina W. Hoven, UNICEF.
- 09/2005 - 05/2007: Children of 9/11 EMTs and WTC Directly Exposed Catholic High School Students, Principal Investigator: Christina W. Hoven, American Red Cross.
- 06/2004 - 05/2006: WTC Impact, Familial Transmission and Child PTSD, Principal Investigator: Christina W. Hoven, NIMH, R01 MH070424.
- 08/2003 - 07/2004: Beyond the Zone, District 6 Evaluation and Mapping, Principal Investigator: Christina W. Hoven, Children's Mental Health Alliance.
- 09/2002 - 09/2005: A Nine Country Study: Expanding Awareness of Mental Health in Childhood and Adolescence, Principal Investigator: Christina W. Hoven, WHO, World Psychiatric Association and IACAPAP, *Pro Bono*.
- 06/2002 - 02/2009: Family Networks, Co-Principal Investigator: Christina W. Hoven, SAMHSA, SM 02 005. Subcontract from NYC Dept. of Health and Mental Hygiene, Principal Investigator: M Harrison.
- 09/1999 - 08/2005: The Westchester Community Network, Co-Principal Investigator: Christina W. Hoven, SAMHSA, SM 99 005. Subcontract from WDCMH, Principal Investigator: M Alfreds.
- 09/2012 - 08/2014: Mental Health Service Need and Use Among Youth Exposed to the WTC Attack, Principal Investigator, NIOSH, 5U01 OH010413.
- 07/2008 - 06/2014: Paternal Criminal Justice Involvement and Substance Use in Children & Adolescents, Principal Investigator: Christina W. Hoven, NIDA, 5R01 DA024029.
- 09/2007 - 06/2013: Maternal Incarceration and Course of Child Psychopathology in the South Bronx, Principal Investigator, NIDA & NIMH, 5R01 DA023733.

Present Support

- 07/2015 - 06/2020: *Sleep and well-being in high risk youth*, Principal Investigator: Christina W. Hoven, NHLBI, 4R01 HL134856. Role: Co-Investigator.
- 09/2016 - 08/2021: *RDoC Domains Underlying Emotional Health and Trajectories of Psychopathology in Families of WTC First Responders and Evacuees: A Genome-Wide GxE Study*, Principal Investigators: Christina W. Hoven & Franco Lupo Geronazzo-Alman, NIOSH/CDC, 5U01 OH011327. Role: Co-Investigator.
- 09/2016 - 08/2021: *9/11 Trauma and Toxicity in Childhood: Longitudinal Health and Behavioral Outcomes*, Principal Investigator: Christina W. Hoven, NIOSH/CDC, 5U01 OH011308.
- 07/2015 - 06/2020: *Cognitive Control in Children of SUD Parents: A Longitudinal Multimodal MRI Study*, Principal Investigator: Christina W. Hoven, NIDA, 5R01 DA038154. . Role: Co-Investigator.
- 04/2009-03/2019: *Predictors Of High-Risk Behavior Among Youth*. Principal Investigators: Martins, Canino, Duarte, R01 HD060072. Role Senior Data Manager.
- 04/2012 – 03/2017: *Substance Use/Abuse & HIV/STI Risk Behaviors in Puerto Rican Youth Growing Up* Principal Investigator: Cristiane S. Duarte. NIDA, 5R01DA033172.

Pending Support

None

Teaching Experiences and Responsibilities**A. Specific Courses**

- 2003 - Present Field Methods for Epidemiology, Columbia University, Mailman School of Public Health, Department of Epidemiology. Taught: Fall 2003-2004, Fall 2006-2009, and Spring 2011-2017 semesters.
- 2014 - 2017 Introduction to Geographic Information Systems, Long Island University - Brooklyn, Department of Urban Studies. Taught Spring 2014, at Graduate level. Enrollment: 5
- 2017 - 2017 Research Design for Urban Studies, Long Island University - Brooklyn, Department of Urban Studies. Taught Spring 2017, at Graduate level. Average Enrollment: 3
- 2006 – 2013 Research Design for Geography, Hunter College, City University of New York (CUNY), Department of Geography. Taught Fall 2006, Spring 2008, Spring 2010, Spring 2013 semester and currently teaching at Graduate level. Average enrollment: 10

2010	Introduction to Geographic Information Systems, Hunter College, City University of New York (CUNY), Department of Geography. Taught Fall 2010 semester at Undergraduate and Graduate level. Average enrollment: 25
2008	Geographic Information Systems, Hunter College, City University of New York (CUNY), Department of Geography. Taught Spring 2008 semester at Undergraduate level. Average enrollment: 25
2006 – 2007	Introduction to Geographic Methods, Hunter College, City University of New York (CUNY), Department of Geography. Taught Spring 2006 and Spring 2007 semester at Undergraduate level. Average enrollment: 25
2014	From cholera to cancer: Use of GIS in Public Health, National Yang-Ming University, School of Medicine, Taiwan, ROC. Guest lecturer in November 2014.
2008	GIS Methods in Public Health, China Medical University, Taiwan. Guest lecturer and provided GIS consulting as requested in May 2008.
2008	Use of GIS for Disease Surveillance, National Taiwan University, Taiwan. Guest lecturer and provided consulting as requested in May 2008
2008	GIS Data Seminar: Web Services and Dasyetric Mapping, National Health Research Institute (NHRI), Taiwan. Guest lecturer and provided GIS consulting as requested in May 2008 and June 2008.
2006	Workshop: Introduction to Spatial Data Analysis, National Health Research Institute (NHRI), Taiwan. Guest lecturer and provided GIS consulting as requested in January 2006 and December 2011.
2004	Workshop: Introduction to GIS in Public Health, National Health Research Institute (NHRI), Taiwan. Guest lecturer and provided GIS consulting as requested in June 2004.

Publications

A1. Original Peer Reviewed Articles

1. Hoven CW, Duarte CS, Wu P, Erickson EA, **Musa GJ**, Mandell DJ (2004). Exposure to trauma and separation anxiety in children after the WTC attack. *Applied Developmental Science* 8: 172-183. doi: 10.1207/s1532480xads0804_1.
2. Hoven CW, Duarte CS, Lucas CP, Wu P, Mandell DJ, Goodwin RD, Cohen M, Balaban V, Woodruff BA, Bin F, **Musa GJ**, Mei L, Cantor PA, Aber JL, Cohen P, Susser E (2005). Psychopathology among New York City school children 6 months after September 11. *Archives of General Psychiatry* 62: 545-552. PMID: 15867108. doi: 10.1001/archpsyc.62.5.545.

A1. Original Peer Reviewed Articles (cont.)

3. Wu P, Duarte CS, Mandell DJ, Fan B, Liu X, Fuller CJ, **Musa G**, Cohen M, Cohen P, Hoven CW (2006). Exposure to the World Trade Center attack and the use of cigarettes and alcohol among New York City public high-school students. *American Journal of Public Health* 96: 804-807. [PMCID: PMC1470569].
4. Bird HR, Canino GJ, Davies M, Duarte CS, Febo V, Ramírez R, Hoven C, Wicks J, **Musa G**, Loeber R (2006) A study of disruptive behavior disorders in Puerto Rican youth: I. Background, design, and survey methods. *Journal of the American Academy of Child and Adolescent Psychiatry* 45: 1032-1041. PMID: 16926610. doi: 10.1097/01.chi.0000227878.58027.3d
5. Hoven CW, Doan T, **Musa GJ**, Jaliashvili T, Duarte CS, Ovuga E, Ismayilov F, Rohde LA, Dmitrieva T, Du Y, Yeghiyan M, Din AS, Apter A, Mandell DJ, WPA Awareness Task Force* (2008). Worldwide child and adolescent mental health begins with awareness: A preliminary assessment in nine countries. *International Review of Psychiatry* 20: 261-270. PMID: 18569178. doi: 10.1080/09540260801995950.
6. Wu P, Hoven CW, Liu X, Fuller CJ, Fan B, **Musa G**, Wicks J, Mandell D, Cook JA (2008). The relationship between depressive symptom levels and subsequent increases in substance use among youth with severe emotional disturbance. *Journal of Studies on Alcohol and Drugs* 69: 520-527. [PMCID: PMC2678875].
7. Hoven CW, Duarte CS, Wu P, Doan T, Singh N, Mandell DJ, Bin F, Teichman Y, Teichman M, Wicks J, **Musa G**, Cohen P (2009). Parental exposure to mass violence and child mental health: The First Responder and WTC Evacuee Study. *Clinical Child and Family Psychology Review* 12: 95-112. PMID: 19484384. doi: 10.1007/s10567-009-0047-2.
8. Comer JS, Fan B, Duarte CS, Wu P, **Musa GJ**, Mandell DJ, Albano AM, Hoven CW (2010). Attack-related life disruption and child psychopathology in New York City public schoolchildren 6-months post-9/11. *Journal of Clinical Child and Adolescent Psychology* 39: 460-469. PMID: 20589558. doi: 10.1080/15374416.2010.486314.
9. Chiang P-H, **Musa GJ**, Hsieh DP-H, Liou D-M, Wen C-P, Chan T-C, Chen H-H, Chen H-L (2010). Spatial interpolation of cadmium contamination of agricultural soils in Changhua County, Taiwan. *International Journal of Environment and Pollution* 40: 322-336.
10. Lindstrom KM, Mandell DJ, **Musa GJ**, Britton JC, Sankin LS, Mogg K, Bradley BP, Ernst M, Doan T, Bar-Haim Y, Leibenluft E, Pine DS, Hoven CW (2011). Attention orientation in parents exposed to the 9/11 terrorist attacks and their children. *Psychiatry Research* 187: 261-266. [PMCID: PMC3040263].
11. Duarte CS, Wu P, Cheung A, Mandell DJ, Fan B, Wicks J, **Musa GJ**, Hoven CW (2011). Media use by children and adolescents from New York City 6 months after the WTC attack. *Journal of Traumatic Stress* 24: 553-556. PMID: 21882251. doi: 10.1002/jts.20687

A1. Original Peer Reviewed Articles (cont.)

12. Durkee T, Kaess M, Carli V, Parzer P, Wasserman C, Floderus B, Apter A, Balázs J, Barzilay S, Bobes J, Brunner R, Corcoran P, Cosman D, Cotter P, Despalins R, Graber N, Guillemín F, Haring C, Kahn JP, Mandelli L, Marusic D, Mészáros G, **Musa GJ**, Poštuvan V, Resch F, Saiz PA, Sisask M, Värnik A, Sarchiapone M, Hoven CW, Wasserman D (2012). Prevalence of pathological Internet use among adolescents in Europe: Demographic and social factors. *Addiction* 107: 2210-2222. PMID: 22621402. doi: 10.1111/j.1360-0443.2012.03946.x
13. Carli V, Wasserman C, Wasserman D, Sarchiapone M, Apter A, Balázs J, Bobes J, Brunner R, Corcoran P, Cosman D, Guillemín F, Haring C, Kaess M, Kahn JP, Keeley H, Keresztény Á, Iosue M, Mars U, **Musa G**, Nemes B, Poštuvan V, Reiter-Theil S, Saiz P, Värnik P, Värnik A, Hoven CW (2013). The saving and empowering young lives in Europe (SEYLE) randomized controlled trial (RCT): Methodological issues and participant characteristics, *BMC Public Health* 31: 479. PMID: 23679917. doi: 10.1186/1471-2458-13-479.
14. ***Musa GJ**, Chiang P-H, Sylk T, Bavley R, Keating W, Lakew B, Tsou H-C, Hoven CW (2013). Use of GIS mapping as a public health tool—From cholera to cancer. *Health Services Insights*. 6: 111-116, 2013. doi: 10.4137/HIS.S10471.
15. Kaess M, Durkee T, Brunner R, Carli V, Parzer P, Wasserman C, Sarchiapone M, Hoven C, Apter A, Balázs J, Balint M, Bobes J, Cohen R, Cosman D, Cotter P, Fischer G, Floredus B, Iosue M, Haring C, Kahn JP, **Musa GJ**, Nemes B, Poštuvan V, Resch F, Saiz PA, Sisask M, Snir A, Värnik A, Žiberna J, Wasserman D. Pathological Internet use among European adolescents: Psychopathology and self-destructive behaviours. *European Child & Adolescent Psychiatry* 2014, PMID: 24888750. doi: 10.1007/s00787-014-0562-7.
16. Wasserman D, Hoven, CW, Wasserman C, Wall M, Kelleher I, Eisenberg R, Sarchiapone M, Hadlaczky G, Apter A, Balazs J, Bobes J, Brunner R, Corcoran P, Cosman D, Guillemín F, Haring C, Iosue M, Kaess M, Kahn J, Keeley H, **Musa G**, Nemes B, Postuvan V, Saiz P, Reiter-Theil S, Varnik A, Varnik P, & Carli V (2015). A Randomised Controlled Trial of School-based Suicide Preventive Programmes: The Saving and Empowering Young Lives in Europe Study (SEYLE). *The Lancet*. S0140-6736(14)61213-7. PMID: 25579833 doi: 10.1016/S0140-6736(14)61213-7
17. Qiao J, Wang Z, Geronazzo-Alman L, Amsel L, Duarte C, Lee S, **Musa G**, Long J, He X, Doan T, Hirsch J, Hoven CW (2015). Brain Activity Classifies Adolescents with and without a Familial History of Substance Use Disorders. *Frontiers in Human Neuroscience*, 9:219. PMID: 25954186 , doi:10.3389/fnhum.2015.00219.
18. Guffanti, G., Geronazzo-Alman, L., Fan, B., Duarte, C. S., **Musa, G. J.**, & Hoven, C. W. (2016). Homogeneity of Severe Posttraumatic Stress Disorder Symptom Profiles in Children and Adolescents Across Gender, Age, and Traumatic Experiences Related to 9/11. *Journal of Traumatic Stress*, 29(5), 430-439. PMID: 27727511
19. Geronazzo-Alman, L., Eisenberg, R., Shen, S., Duarte, C.S., **Musa, G.J.**, Wicks, J., Fan, B., Doan, T., Guffanti, G., Bresnahan, M. and Hoven, C.W. (2017). Cumulative exposure to work-related traumatic events and current post-traumatic stress disorder in New York City's first responders. *Comprehensive Psychiatry*, 74: 134-143. PMID: 28161583

A2. Original Peer Reviewed Articles (In Review/Preparation)

1. ***Musa GJ**, Keating W, Lakew B, Solecki W, Chiang PH, Hoven CW. (In Review). Use of Viewshed Models to Predict NYC Neighborhood Line-of-Site to the World Trade Center Towers.
2. Smagula, SF, Duarte, CS, Wu, P, Samlan, H, Shen, S, Eisenberg, R, **Musa, GJ**, Hoven, CW (In Review) Parent-child agreement on reports of child exposure to the 9/11 World Trade Center attack
3. ***Musa GJ**, Bavley R, Geronazzo-Alman L, Eisenberg, R., Lee, S., Fan, B., Wicks, J., Doan, T., Keating, W., Cohen, P., Hoven, C.W. (In Preparation). Neighborhood Effects on Post-Traumatic Stress Disorder Among NYC Public School Children After 9/11.
4. ***Musa GJ**, Sylk T, Lakew B, Eisenberg R, Duarte C, Fan B, Ryan M, Wicks J, Doan T, Liu X, Teichman Y, Teichman M, Hoven CW. (In Preparation). Use of Web-Based Databases to Identify Matched Controls for Epidemiologic Studies.
5. ***Musa, G.J.**, Lakew, B., Amsel, L., Geronazzo-Alman, L., Eisenberg, R., Wicks, J., Doan, T., Keating, W., Aboud, L.A., Hoven, C.W. (In Preparation) Self-Organizing Maps of Child Psychiatric Symptoms

A3. Case Reports

1. Hoven CW, Duarte CS, Lucas CP, Mandell DJ, Cohen M, Rosen C, Wu P, **Musa GJ**, Gregorian N: Effects of the World Trade Center Attack on NYC Public School Students – Initial Report to the New York City Board of Education, Columbia University Mailman School of Public Health-New York State Psychiatric Institute and Applied Research and Consulting, LLC. New York City, May 2002.
2. Hoven CW, Duarte CS, Rosen C, Cohen M, Lucas C, Gregorian N, Mandell DJ, Wu P, **Musa GJ**: Effects of the World Trade Center Attack on NYC Public School Students, Part 2: Supplement to Initial Findings, A Report to the New York City Department of Public Education, Columbia University Mailman School of Public Health-New York State Psychiatric Institute and Applied Research and Consulting, LLC. New York City, October 2002.
3. Hoven, C.W., Musa, G.J., Seaman, F., Harbo, S., Doan, T., Wicks, J., Amsel, L., Carli, V., Wasserman, D., Mandell, D. (2013) Study on prevalence and dynamics of suicide among children and young people (12-24 years of age) in Sughd Region of Tajikistan. Dushanbe: UNICEF:
http://www.unicef.org/tajikistan/Suicide_Study_Report_for_WEB_ENG%281%29.pdf

A4. Books and Chapters

1. Hoven CW, Wu P, **Musa GJ**, Wicks J, Mandell DJ, Moore RE, Fan B, Jedel S: Functional stability over time, among children and adolescents with serious emotional disability in managed care and fee-for-service, in *A System of Care for Children's Mental Health: Expanding the Research Base*, C Newman, C Liberton, K Kutash, RM Friedman (Eds.), Research and Training Center for Children's Mental Health, University of South Florida, Tampa, 2001, pp. 87-90.
2. ***Musa GJ**, Hoven CW, Bernales RG, Ouyang B, Resto A, Cheng D, Laureano P, Wicks J, Mandell DJ, Cantor P: *Next Circle of Care Community Resource Directory, New York Public School Region 10 - Geographical District 10*. Columbia University Mailman School of Public Health-New York State Psychiatric Institute, 2004.
3. Chiang P-H, **Musa GJ**, Chuang J-H, Liou D-M: *Geographic Information System and Public Health*, Mandarin Library & Information Services, Taipei, 2005. ISBN: 957-8708-78-5.
4. Chiang P-H, Wen C-P, Shih Y-T, Chung W-SI, Chiu S-I, Cheng D, Liou D-M, Cuang J-H, **Musa GJ**, Chan T-C: *Atlas of Health in Taiwan: Cancer Mortality Series 1998-2002. Volume 1. County/City*, National Health Research Institutes, Taipei, 2005.
5. Chiang P-H, Wen C-P, Shih Y-T, Chan T-C, Chiu S-I, Chen H-L, Liou D-M, Cuang J-H, **Musa GJ**: *Atlas of Health in Taiwan: Cancer Mortality Series 1998-2002. Volume 2. Townships from Northern Taiwan*, National Health Research Institutes, Taipei, 2005.
6. Chiang P-H, Wen C-P, Shih Y-T, Chan T-C, Chiu S-I, Chen H-L, Liou D-M, Cuang J-H, **Musa GJ**: *Atlas of Health in Taiwan: Cancer Mortality Series 1998-2002. Volume 3. Townships from Central Taiwan*, National Health Research Institutes, Taipei, 2005.
7. Chiang P-H, Wen C-P, Shih Y-T, Chan T-C, Chiu S-I, Chen H-L, Liou D-M, Cuang J-H, **Musa GJ**: *Atlas of Health in Taiwan: Cancer Mortality Series 1998-2002. Volume 4. Townships from Southern and Eastern Taiwan*, National Health Research Institutes, Taipei, 2005.
8. Chiang P-H, Wen C-P, Shih Y-T, Chan T-C, Chiu S-I, Chen H-H, Liou D-M, Cuang J-H, **Musa GJ**, Wen Y-W: *Atlas of Health in Taiwan: Cancer Mortality Series 1998-2002. Volume 5. All Townships in Taiwan*, National Health Research Institutes, Taipei, 2005.

A5. Abstracts

1. Hoven CW, Azpuru L, Bigley M, Chiang P-H, Edsall J, Evans M, Flisher A, Fried J, Friedman S, Glied S, Grosser R, Joseph D, Kasen S, Link B, Litwak E, Mandell DJ, McLafferty S, Moore RE, **Musa GJ**, Pulver G, Tu A, Versenyi A, Wicks J, Wu P: Alternative Patterns of Service Use By Children With Serious Emotional Disorders (SED), *124th Annual Meeting of the American Public Health Association*, 1996.
2. McLafferty S, Hoven CW, Grosser R, Chiang P, Chase R, Cohen P, Evans M, **Musa G**: Geographic Issues Related to the Need and Location of Services for Youth with Serious Emotional Disturbance (SED), *124th Annual Meeting of the American Public Health Association*, 1996.

A5. Abstracts (cont.)

3. McLafferty S, Hoven CW, Mandell DJ, **Musa G**, Chiang P, Okezie N, Pulver G, Wear S: Mapping Service Needs and Access for Emotionally Disturbed Youth: A Geographic Information System Approach, *126th Annual Meeting of the American Public Health Association*, 1998.
4. Hoven CW, Bird HR, Mandell DJ, Cohen P, Wu P, Bigley M, Moore RE, **Musa GJ**: How Should Serious Emotional Disturbance (SED) Be Defined?, *126th Annual Meeting of the American Public Health Association*, 1998.
5. Tiet Q, Hoven CW, Bird H, Mandell D, Kasen S, **Musa G**, Bartaseh D, Yablow J: Characteristics of SED Youth with High Verbal IQ, *126th Annual Meeting of the American Public Health Association*, 1998.
6. Wu P, Cohen P, Hoven C, Fuller C, **Musa G**: Depressed mood and substance use in children and adolescents: A longitudinal perspective, *Celebrating a Century of Progress in Public Health: the 127th Annual Meeting of the American Public Health Association*, 1999.
7. Wu P, Hoven CW, Fan B, Wicks J, Fuller CJ, **Musa GJ**: Need and use of services for drug related problems in the USA, *Challenges for Public Health at the Dawn of the 21st Century: Selected Proceedings from the Ninth International Congress*, World Federation of Public Health Associations, China Preventive Medicine Association (CPMA) and Chinese Academy of Preventive Medicine (CAPM), (pp. 35-36), 2000.
8. Hoven CW, Mandell DJ, Wu P, Wicks J, **Musa GJ**, Fan B, Versenyi A, Moore RE, Rivera HP, Chiang P-H, Ren Y: Psychiatric and substance use disorders among juvenile offenders: One American Country, *Challenges for Public Health at the Dawn of the 21st Century: Selected Proceedings from the Ninth International Congress*, World Federation of Public Health Associations, China Preventive Medicine Association (CPMA) and Chinese Academy of Preventive Medicine (CAPM), (pp. 91-92), 2000.
9. Wu P, Hoven CW, Cohen P, Fan B, Tiet Q, Fuller C, **Musa G**: Tobacco use and depression in children and adolescents in the USA, *Challenges for Public Health at the Dawn of the 21st Century: Selected Proceedings from the Ninth International Congress*, World Federation of Public Health Associations, China Preventive Medicine Association (CPMA) and Chinese Academy of Preventive Medicine (CAPM), (pp. 94-95), 2000.
10. Wu P, Hoven CW, Cohen P, Wicks J, Fuller C, Mandell D, **Musa G**: Alcohol Use/Abuse and Depression in Youth, *the World Psychiatric Association*, 2001.
11. Okezie N, Hoven CW, Fan B, Moore R, Wu P, Wicks J, **Musa GJ**: The role of ethnicity in symptom attributes and help-seeking for emotional problems among parents and their children, *Annual Meeting of American Academy of Child and Adolescent Psychiatry*, 2001.
12. Hoven CW, Duarte C, Mandell DJ, **Musa GJ**, Fan B, Wu P, Erickson EA: Childhood Psychopathology in New York City After the World Trade Center Attack, *Pediatrics Conference, Huang Shan, China*, 2002.

A5. Abstracts (cont.)

13. Mandell DJ, Hoven CW, Duarte CS, **Musa GJ**, Nagasawa M, Wicks J, Fishkin S: Social Ecology of Mental Illness, *Partnership for Mental Health - XII World Congress of Psychiatry*, 2002.
14. Duarte CS, Hoven CW, Wu P, Mandell DJ, Lucas CP, **Musa GJ**: Child PTSD in different ethnic groups after 9/11, *Partnership for Mental Health - XII World Congress of Psychiatry*, (pp. 265-273), 2002.
15. ***Musa GJ**, Hoven CW, Fan B, Gong H, Duarte CS, Mandell DJ, Wu P: Influence of Distance from the World Trade Center Attacks on Post-Traumatic Stress Disorder in NYC Public School Students, *99th Association of American Geographers Meeting*, 2003.
16. Duarte CS, Hoven CW, Wu P, **Musa G**, Mooney J, Laureano P, Bernales R: Risk of PTSD in Latino Children after a Mass-Disaster, *131st Annual Meeting of the American Public Health Association*, 2003.
17. Hoven CW, Duarte CS, Wu P, **Musa G**, Mandell DJ, Nagasawa M, Hill L: Childhood Posttraumatic Symptomatology: Lessons from the WTC attack, *131st Annual Meeting of the American Public Health Association*, 2003.
18. ***Musa GJ**, Hoven CW, Duarte CS, Wu P, Erickson EA, Fan B, Balaban V, Jeng A, Sherpa C: Distance from Traumatic Event and Post-Traumatic Stress Disorder in Children, *131st Annual Meeting of the American Public Health Association*, 2003.
19. Gong H & **Musa GJ**: Cities, Suburbs, and Rural Areas: Location Analysis of Help Supply Services in the United States, *100th Annual Meeting of the Association of American Geographers*, 2004.
20. ***Musa GJ**, Hoven CW, Bernales RG, Jeng A, Filipe de Jesus M, Ouyang B, Gonzalez J, Cheng D, Resto A, Chan S, Mandell DJ: Mapping a Directory of Child and Family Community Resources in Northern Manhattan, *100th Annual Meeting of the Association of American Geographers*, 2004.
21. ***Musa GJ**, Hoven CW, Mandell DJ, Duarte CS, Wu P, Fan B, Ouyang B: Influence of Geographic Location on Posttraumatic Stress Disorder in NYC Public School Children, after 9/11, *International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies and Technologies, Shanghai, People's Republic of China*, 2004.
22. Wu P, Cohen P, Liu X, Chang C, Fuller C, Lee H, Berenson K, **Musa G**: Suicidal Ideation from Childhood to Young Adulthood, *Life History Research Conference*, Charleston, SC, 2004.
23. Geronazzo-Alman L, Spratt A, Shen S, Guffanti G, Lord E, Duarte CS, **Musa GJ**, Wicks J, Fan B, Hoven CW: 2007 – An item response theory analysis of post-traumatic stress disorder symptoms measured with two instruments in 6,733 9/11-exposed youth, *Europe Challenges the Burden of Mental Disorders - 21st European Congress of Psychiatry*, 2013.

A5. Abstracts (cont.)

24. Geronazzo-Alman L, Shen S, Duarte CS, Wu P, Amsel L, **Musa GJ**, Wicks J, Yip J, Fan B, Guffanti G, Hoven CW: 2215 – Cumulative exposure to work-related incidents and current posttraumatic stress disorder in new york city’s first responders, *Europe Challenges the Burden of Mental Disorders - 21st European Congress of Psychiatry*, 2013.
25. Chiang, P-H, Lakew, B, **Musa, G**, Tsou, H-C, Hsieh, DP-H: Measuring Geographic Accessibility with GIS-Tool: A Risk Evaluation and Planning against Pandemic Influenza in Taiwan. *The 5th International Conference on Medical Geology: 2nd Symposium on Advances in Geospatial Technologies for Health*, 2013.
26. **Musa, G.J.**, Bavley, R., Geronazzo-Alman, L., Duarte, C., Fan, B., Guffanti, G., Wicks, J., Doan, T., Cohen, P., Hoven, C.W. Neighborhood and School Effects on Post-Traumatic Stress Disorder Among NYC Public School Children After 9/11. *The 42nd Annual Hunter Psychology Convention*, Hunter College - City University of New York, March 30, 2014.
27. Lakew, B., **Musa, G.J.**, Keating, W., Amsel, L., Wicks, J., Eisenberg, R., Sylk, T., Ouyang, B., Hoven, C.W. Self Organizing Maps of Child Psychiatric Symptoms. *The Annual Meeting of the Association of American Geographers*, Chicago, 2015.

A6. Invited Presentations

1. Introduction to GIS in Public Health, National Health Research Institute (NHRI) - Division of Environmental Health and Occupational Medicine, Kaosiung, Taiwan. May 2004
2. GIS Methods in Public Health, China Medical University, Taiwan. May 2008.
3. The Aftermath of Trauma in Children – Helping South Korea: Lessons From 9/11, Korean American Behavioral Health Association (KABHA), Oct. 2014
4. From cholera to cancer: Use of GIS in Public Health, National Yang-Ming University, School of Medicine, Taiwan, ROC. Nov. 2014.
5. Cultural Adaptation of Mental Health Awareness Programs, 2015 Professional Conference, Korean American Behavioral Health Association (KABHA), Flushing, NY, June 2015