References


References


Anselin, L. (2003). GEODA 0.9 Users Guide. Urbana-Champaign, IL: Spatial Analysis Laboratory, University of Illinois. Available at: http://sal.agecon.uiuc.edu/geoda.


References


References


References


References


Center for Health Services Research. (2006). Shortage of Primary Care for the Uninsured. Houston Health Services Research Collaborative, The University of Texas School of Public Health, Fall Newsletter Available at: http://www.sph.uth.tmc.edu/hsrc [On-line].
References


References


References

codone involvement in drug abuse deaths. II. Evidence for toxic multiple drug–drug inter-
Studies, 42, 447–480.
parities in injection drug use in 94 U.S. metropolitan statistical areas. Annals of Epidemiology, 
15, 326–334.
Cooper, H., Moore, L., Gruskin, S., & Krieger, N. (2004). Characterizing perceived po-
lice violence: implications for public health. American Journal of Public Health, 94, 
1109–1118.
on drug injectors’ ability to practice harm reduction: a qualitative study. Social Science and 
Medicine, 2005a, 61, 673–684.
street-level police intervention on syringe exchange program use in Philadelphia, PA. American 
stress disorder among substance users from the general population. The American Journal of 
Psychiatry, 149, 664–670.
County-Level Detailed Arrest and Offense Data. U.S. Dept. of Justice, Federal Bureau of Inves-
Arbor, MI: Inter-University Consortium for Political and Social Research [producer and dis-
tributor].
Crand, J. (1991). The epidemic theory of ghettos and neighborhood effects on dropping out and 
J.C. Wakefield, N.G. Best, & D.J. Briggs (eds.), Spatial Epidemiology: Methods and Applica-
tions (pp. 185–204). Oxford, England: Oxford University Press.
lishing.
TANF benefits: the outcome of a demonstration project in Florida. Journal of Health and Social 
Policy, 17(1), 39–53.
Crimmins, E.M., Hayward, M.D., & Seeman, T.E. (2004). Race/ethnicity, socioeconomic status, 
and Ethnic Differences in Health in Late Life (pp. 310–352). Washington, DC: The National 
Academies Press, National Academy of the Sciences.
Harm Reduction Network. AIDS, 12(Suppl B), S69–S78.
new perspectives in understanding human health and environment relationships. Statistics in 
to use cocaine and other drugs in late childhood and early adolescence. Drug and Alcohol 
Dependence, 43, 155–161.
Cunningham, J., & Liu, L. (2003). Impacts of federal ephedrine and pseudoephedrine regulations 
on methamphetamine-related hospital admissions. Addiction, 98(9), 1229–1237.


Des Jarlais, D.C., & Friedman, S.R. (1998). Fifteen years of research on preventing HIV infection among injecting drug users: what we have learned, what we have not learned, what we have done, what we have not done. Public Health Reports, 113(Suppl 1), 182–188.


Duncan, C., Jones, K., & Moon, G. (1999). Smoking and deprivation: are there neighbourhood effects? Social Science and Medicine, 48, 497–505.


Ellaway, A., & MacIntyre, S. (1998). Does housing tenure predict health in the UK because it exposes people to different levels of housing related hazards in the home or its surroundings? Health and Place, 4, 141–150.


References


coverage for injection drug users in 94 metropolitan areas in the United States of America. The International Journal on Drug Policy, 18(6), 475–485.


GeoDa Software Manual (2004). GeoDa Center for Geospatial Analysis, Arizona State University, Tempe, AZ.
References


References


High Point Police Department. (2000). One City’s Success in Reducing Gun Violence. Award submission for the Herman Goldstein Award, Center for Problem-Oriented Policing. Available at: http://www.popcenter.org/library/goldstein/2000/00-09.PDF.


Kinzly, M. (2003). Personal communication. Research Associate, Department of Epidemiology and Public Health, Yale University, New Haven, CT.


References


Lawson, A., Browne, W., Vidal Rodeiro, C. (2003). Disease Mapping with WinBUGS and MLwiN. West Sussex: John Wiley and Sons Ltd.


Macintyre, S., Ellaway, A., & Cummins, S. (2002). Place effects on health: how can we conceptualise, operationalise and measure them? Social Science and Medicine, 55, 125–139.


References


References


References


References


References

References


References


Wood, E., Chan, K., Montaner, J.S.G., et al. (2000). The end of the line: has rapid transit contributed to the spatial diffusion of HIV in one of Canada’s largest metropolitan areas? Social Science and Medicine, 51, 741–748.


Index

A
Activity patterns, 10, 442–443, 445, 446
Area substance abuse, 25, 353–368

B
Bayesian hierarchical, 20, 417, 447, 454–456
Bayesian models, 122, 124, 456

C
Cannabinoids, 239
China, 22, 25, 131, 136, 144, 177, 224, 241, 244, 245, 250, 251, 305–318
Colorado Springs, 25, 193–207
Community characteristics, 313, 315, 318, 439
Community involvement, 45, 61, 166, 383, 388, 443
Community structure, 117, 118, 160, 196

D
Deviance, 159, 173
Diffusion of benefits, 406
Disaster, 4, 19, 81, 269, 283, 369, 370, 371, 372, 387, 388, 389, 390, 392
Drug
treatment, 35, 41, 42, 163, 255, 256, 257, 258, 260, 262
addiction, 17, 18, 24, 26, 29, 113, 131, 132, 223, 302, 351, 415, 417, 420
DU prevalence, 149, 152, 155, 156, 157

E
Ecological, 24, 25, 42, 46, 118, 119, 127, 156, 159–173
Elasticity, 236, 237
Epidemiology, 9, 17, 18, 19, 23, 24, 29, 131, 132, 141, 142, 143, 144, 246, 340, 350, 417, 464

F
Focused deterrence model, 25, 395–412

G
Geographic contexts, 350, 437–446
Geographic information systems (GIS), 3, 6, 8, 10, 12, 16, 17, 18, 19, 23, 25, 27–42, 50, 52, 132, 133, 134, 141, 143, 144, 213, 337, 339, 340, 344, 345, 351, 369–393, 395, 397, 398–401, 402, 406, 411, 412
Geopolitical and sociocultural factors affecting drug use, 271
GIS, see Geographic information systems (GIS)

H
Hard drug use, 422, 424
Health inequalities, 3
addiction, 25, 131, 132, 133, 135, 138, 139, 140, 142, 143, 144, 254
Hierarchical models, 454–464
High-risk youth, 49, 54, 57, 67, 71, 83
HIV, 9, 12, 17, 21, 25, 30, 35, 37, 40, 42, 65, 68, 71, 80, 131, 143, 151, 163, 170, 177, 243, 246, 250, 257, 260, 265, 269, 273, 284, 292, 306, 310, 313, 317, 321, 333, 346
risk, 170, 287–303
Homelessness, 35
Hong Kong, 40, 131–144, 252
Hot spots, 401, 411, 412, 421, 422, 424, 428, 435

I
Illegal drugs, 81, 119, 120, 126, 130, 161, 165, 166, 171, 172, 210, 256, 279, 357
India, 25, 221, 225, 230, 242, 244, 247, 251, 252, 253
Injection drug use (IDU), 172, 173, 249, 253, 287

L
Local Indicators of spatial autocorrelation (LISA), 20, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430

M
Marijuana, 4, 22, 37, 44, 47, 67, 72, 76, 92, 93, 96, 97, 104, 105, 111, 112, 115, 161, 167, 221, 223, 225, 228, 239
Markov Chain Monte Carlo, 122, 418, 458, 461
Methadone, 25, 132, 134, 137, 142, 144, 175, 179, 184, 187, 189, 252, 253, 302, 327, 388, 389, 391
Methamphetamine, 72, 97, 193–207, 213, 422, 425
labs, 25, 193–207
Metropolitan areas, 16, 25, 69, 79, 82, 175, 177, 178, 181, 182, 183, 185, 187, 189, 190, 191, 220, 255, 257, 259, 260, 261, 263, 321, 357, 360
Mexican Americans, 25, 161–164, 166, 168, 171, 173
Mexico-U.S. border, 24, 27–42, 76, 101, 102, 104, 105, 162, 164, 167, 168
Modifiable areal unit problem (MAUP), 426–428, 435

N
Nicaragua, 267, 268, 269, 270, 271, 275, 276, 277, 283
NIMBY, 14, 16
North Dakota, 25, 209–240, 426, 428

O
Open air dealing, 396, 411, 443
Opiates, 22, 159, 161, 288, 298, 448
Opioid, 25, 175, 176, 177, 178, 179, 181, 182, 183, 184, 185, 186, 187, 189, 190, 191, 256, 371
Overt drug markets, 396, 412

P
Place, 1, 2, 8, 11, 12, 104, 105, 183, 319, 320
Poisoning, 176, 177, 179, 181, 183, 185, 187, 188, 189, 190, 191, 192
Prescription drugs, 166, 324, 326, 334
Prisoner re-entry, 86, 88–89, 113
Pulling levers, 396

Q
Qualitative research, 245

R
Race/ethnicity, 10, 57, 58, 183, 374, 449
Rational choice, 348, 404
Residential segregation, 21, 25, 145, 146, 147, 150, 259
Risk behaviors, 22, 267, 272, 273, 283, 292, 297, 299, 300, 307, 321
environments, 28, 34, 35, 40, 42, 288, 291, 292, 293, 294, 295, 297, 300, 390
Russian Federation, 243, 246, 249, 250, 253, 254, 287, 290, 294, 296, 297, 301, 303

S
Serious mental illness (SMI), 416, 419, 428–421
Social contexts, 9, 26, 60, 163, 256, 298, 314, 438, 439
Social disorganization, 24, 44, 61, 62, 88, 117–130, 160, 196, 197, 202, 204, 440
Social epidemiology, 9, 17–26
Social isolation, 171, 307, 312, 313, 318, 437, 438, 441, 442, 443, 444, 445, 446
Space time models, 129
Spatial analysis, 3, 6, 7, 8, 16, 18, 26, 43, 44, 82, 193, 339, 353, 374, 415, 417, 433, 435, 447, 462
Spatial diffusion, 6, 18, 367
Spatial organization/Geography of drug markets, 396, 399, 403
Spatial pattern, 102, 107, 196, 200, 213, 219, 456
Street violence, 396, 402
Substance misuse, 252, 253
Substance use disorder (SUD), 26, 337, 341, 359, 415, 416, 419
Substitution, 132, 143, 144, 222, 236, 237, 302, 387

T
Therapeutic landscapes, 9, 211, 212
Treatment organizations, 354, 355, 356, 359, 360, 363, 365, 367
Treatment provision, 25, 211, 353, 354, 355, 357, 358, 359, 361, 362, 364, 365, 366, 367

U
Urban/rural, 65, 83, 90, 176, 187

V
Vice districts, 160–161, 163–165, 171, 172, 198, 405
Contributors

Mariana Aburto
Mariana Aburto, MPH, Nimehuatzin Foundation, is a clinical psychologist and university professor with experience in communications.

Matt Adams
Matthew Adams received his Masters Degree from Boston University and is presently working in Robert K. Futterman & Associates in New York as a GIS practitioner.

Erica Alarcon
Erica Alarcon, BA, has applied ethnographic methods to recruit and interview young injection drug users living in New Orleans. Currently, she provides HIV prevention and medical supportive services to individuals living with HIV in Louisiana.

Rita Arauz
Rita Arauz, MA, MPH, a psychologist, is an internationally recognized HIV/AIDS service and policy expert. She is the Founding President of the Nimehuatzin Foundation, the first Nicaraguan non-governmental organization dedicated exclusively to respond to AIDS.

Matthew Archibald
Matthew Archibald is an Assistant Professor of Sociology at Emory University. He studies healthcare organizations and social movements. His recent book, The Evolution of Self-Help, published by Palgrave Macmillan, investigates the sociopolitical and economic conditions shaping the self-help movement.

Aniruddha Banerjee
Aniruddha Banerjee, MSURP, PhD, is an assistant professor of Geography at Indiana University Purdue University at Indianapolis and an affiliated Research Scientist with the Prevention Research Center, Berkeley. He has applied combinatorial optimization methods using both integer programming and graph theoretic approaches to analyze health information. He is currently working on simulating hospital infections by simultaneously applying micro-scale, meso-scale,
and macro-scale ecological models. He was awarded the Jacques May Thesis Prize by the Medical Geography Specialty Group in 2005. rbanerje@iupui.edu

Chris Beyrer
Chris Beyrer is a director of the Johns Hopkins Fogarty AIDS International Training and Research Program, a director of the Johns Hopkins Center for Public Health & Human Rights, a Senior Scientific Liaison of the HIV Vaccine Trials Network, and an Associate Director of the Center for Global Health. cbeyrer@jhsph.edu

Jennifer Jackson Bloom
Jennifer Jackson Bloom, MPH, a biostatistician, provides data management and qualitative and quantitative analytical expertise for several studies of high-risk youth populations in Los Angeles. Her research interests include behavioral health risks, modeling longitudinal change, the application of geography to research on high-risk youth, and mixed methods research.

Joanne Brady
Joanne Brady is a Principal Research Associate at NDRI and works as a data analyst on the Community Vulnerability and Response to IDU-related HIV project. She also has conducted data analyses on research projects investigating the individual and societal costs of cancer, the effects of different drug dosing regimens, and the relationship between douching, pregnancy, and pelvic inflammatory disease. Ms. Brady has a BS in Biology from Tufts University and a Master’s in Epidemiology from Harvard School of Public Health

Kimberly Brouwer
Kimberly C. Brouwer, Assistant Professor at the University of California San Diego School of Medicine, pursues research in the spatial and molecular epidemiology of infectious diseases. She is currently collaborating with Mexican officials in studies of HIV/AIDS and injection drug use in cities along the Mexico/US border, in an effort to inform public health interventions. As principal investigator of a five-year grant from NIDA to explore social and environmental factors affecting disease transmission and risk behaviors in Tijuana, Mexico, her group is building a geographic information system model to measure disease clustering and recommend better distribution of health services. kbrouwer@ucsd.edu

Christopher Browning
Christopher R. Browning is an Associate Professor of Sociology at the Ohio State University. His current research focuses on the causes and consequences of community social organization; the neighborhood context of crime, risk behavior, and health; the long-term effects of maltreatment during childhood; and multilevel statistical models. He is a co-investigator on the Children’s Exposure to Violence over Space and Time project funded by the National Institute of Child Health and Human Development.

John S. Brownstein
John S. Brownstein is an Instructor of Pediatrics at Harvard Medical School, and has joint appointments in the Children’s Hospital Boston Informatics Program at
the Harvard-MIT Division of Health Sciences and Technology and the Division of Emergency Medicine. Dr. Brownstein was trained as an epidemiologist at Yale University where he received his PhD. He works on novel statistical modeling and medical informatics approaches for accelerating the translation of public health surveillance research into practice.

Angela Bucciarelli
Angela Bucciarelli, MPH, is a statistical/spatial analyst at the Division of Epidemiology, World Trade Center Health Registry, New York City Department of Health and Mental Hygiene, New York, NY.

Jessica Burnum
Jessica Burnum is a geographic information services technician with the North Carolina section of the American Society of Civil Engineers. She holds an MA in geography from Kansas State University and a BA in geography and environmental studies from the University of Colorado at Colorado Springs.

Lori Burrington
Lori Burrington is a PhD candidate in the Department of Sociology at the Ohio State University. Her research focuses on neighborhood and community effects on adolescent delinquency and problem behavior.

Meagan Cahill
Meagan Cahill is a Research Associate at the Urban Institute’s Justice Policy Center, where she is a project manager for the multi-year, multi-site evaluation of the federally funded Gang Reduction Program. In addition, she is currently investigating the displacement of crime from public housing that is undergoing redevelopment. Cahill holds a PhD and a Master’s degree in geography from the University of Arizona and a BA in geography from Mary Washington College. mcahill@ui.urban.org

Catherine Calder
Catherine Calder is Assistant Professor of Statistics at the Ohio State University. Her research interests include spatial statistics and Bayesian statistical methodology.

Alice Cepeda
Dr. Alice Cepeda is currently Assistant Professor in the Department of Sociology at the University of Houston (UH) where she is also Senior Researcher at the Office for Drug and Social Policy Research (ODSPR). She received her PhD in sociology from the City University of New York, Graduate Center. Her experience and research interest has been in substance use, crime, violence, and urban health issues among the Mexican-origin (Mexican Americans and Mexicans) population.

Pascual Ortells Chabrera
Pascual Ortells Chabrera, Technical Director, Nimehuatzin Foundation, is a sociologist with extensive experience in research, education, and communications.
Sanjoy Chakravorty
Sanjoy Chakravorty is professor and chair of geography and urban studies at Temple University in Philadelphia. He is the author of Made in India (2007, Oxford University Press, with S. Lall) and Fragments of Inequality (2005, Routledge) and more than three dozen journal papers, book chapters, and reports. His research has been funded by the US National Science Foundation, the US National Institute of Justice, the American Institute of Indian Studies, and the World Bank.

Siddharth Chandra
Siddharth Chandra is Associate Professor at the Graduate School of Public and International Affairs at the University of Pittsburgh. He holds a PhD from Cornell University. His research interests include health economics and policy, economic history, and the economics of addiction. schandra@pitt.edu

Ivan Cheung
Ivan Cheung is a research scientist at the Insurance Institute for Highway Safety. Previously, he held the positions of Director of GIScience Programs at the Association of American Geographers and Assistant Professor of Geography at the George Washington University. His applied research projects integrate geographic information systems, remote sensing technologies, and geographic analytical techniques in assessing access to health services, epidemiology, environmental health, immigrant settlement pattern, and urban climatology.

Michael C. Clatts
Michael Clatts, PhD, a medical anthropologist, has conducted a number of ethno-epidemiological studies of HIV risk, largely among vulnerable out-of-treatment populations, including drug users, commercial sex workers, homeless youth, and men who have sex with men. Recently, Dr. Clatts has extended the use of an ethno-epidemiological model to understanding HIV risk and protective factors among vulnerable youth and young adult populations in Vietnam, China, and India.

Hannah Cooper
Dr. Hannah Cooper is an Assistant Professor at the Rollins School of Public Health at Emory University. Dr. Cooper’s research concerns the structural determinants of drug use and drug-related harms, including HIV, both in the general population and within particular racial/ethnic groups. hannah.cooper@sph.emory.edu

Nabarun Dasgupta
Nabarun Dasgupta is an epidemiologist specializing in the medical and non-medical use of opioids and their consequences. He has extensive field experience domestically and internationally with substance use and harm reduction. Nabarun is currently a student at the University of North Carolina School of Public Health, and his dissertation research is on surveillance for non-fatal opioid poisonings. nabarund@unc.edu
Don C. Des Jarlais
Don C. Des Jarlais is the Director of Research of the Baron Edmond de Rothschild Chemical Dependency Institute at Beth Israel Medical Center, a Professor of Epidemiology and Population Health at the Albert Einstein College of Medicine, and a Senior Research Fellow at the National Development and Research Institutes. He has served as a consultant to the World Health Organization, the National Institutes of Health, and the Centers for Disease Control, and as a Commissioner on the US National Commission on AIDS.

Charlie DiMaggio
Charles DiMaggio, PhD, MPH, PA-C, is Assistant Professor of Clinical Epidemiology, Department of Epidemiology, Mailman School of Public Health, Columbia University, New York, NY. cjd11@columbia.edu

Alex Feidler
Alex Feidler has a MA in geography from the University of North Dakota and a bachelor’s in geography from James Madison University. His main research interests lie in crime geography, law enforcement, and geospatial intelligence

Peter L. Flom
Peter L. Flom, PhD, is a statistician at NDRI, atBrainscope, Inc., and is also an independent consultant. He received his PhD in psychometrics from Fordham University in 1999, and has worked with Dr. Friedman and his team on various projects for the past 10 years.

James M. Frabutt
Dr. Jim M. Frabutt, PhD, is a faculty member in the Institute for Educational Initiatives and a Concurrent Associate Professor in the Department of Psychology at the University of Notre Dame. He previously served as Deputy Director of the Center for Youth, Family, and Community Partnerships at the University of North Carolina at Greensboro. He has directed a local collaborative, community–university partnership featuring the involvement of schools, parents, law enforcement, mental health practitioners, the faith community, and juvenile justice professionals. He has a bachelor’s degree in psychology and masters and doctoral degrees in human development and family studies.

Bridget Freisthler
Bridget Freisthler, PhD, is an assistant professor of social welfare at the University of California, Los Angeles, and an affiliated Research Scientist with the Prevention Research Center. Her research focuses on understanding how social problems vary across geographic areas, and identifying those areas in a community that are at risk for developing or already experiencing high levels of social problems based on a growing understanding of neighborhood ecologies.

Risa Friedman
Risa Friedman is an Education Coordinator and Instructor at the Mountain Plains AIDS Education and Training Center in Denver, Colorado. Her research
interests include evaluation of HIV prevention and education programs and cultural competency in the delivery of HIV services.

Samuel R. Friedman
Samuel R. Friedman, PhD, is Senior Research Fellow and the Director of the Theoretical Synthesis Core in the Center for Drug Use and HIV Research at NDRI, and is an author of over 350 publications on HIV, STI, and drug use epidemiology and prevention, as well as being a published poet. His current research includes how some long-term drug injectors remain uninfected with HIV and HCV; socioeconomic and policy predictors of the extent of injection drug use, HIV epidemics, and HIV prevention efforts in US metropolitan areas; and how war and sociopolitical transitions affect HIV. He is Associate Editor for Social Science of the International Journal of Drug Policy and has recently been on the editorial boards of AIDS, JAIDS, AIDSScience, AIDS Education and Prevention, Drug and Alcohol Professional, and Harm Reduction Journal. friedman@ndri.org

Michele Jonsson
Dr. Jonsson Funk is a Research Assistant Professor in the Department of Epidemiology at the University of North Carolina at Chapel Hill. Her research focuses on problems in pharmacoepidemiology and epidemiologic methods, including propensity score analysis and doubly-robust estimation of treatment effects.

Sandro Galea
Sandro Galea, MD, DrPH, is Associate Professor of Epidemiology, Center for Social Epidemiology and Population Health Department of Epidemiology, University of Michigan, and an Adjunct Associate Professor of Epidemiology, Mailman School of Public Health, Columbia University.

Sucharita Gopal
Sucharita Gopal is a professor of geography and environment at Boston University. Her areas of research include neural network applications in remote sensing and GIS domains, spatial analysis for environmental and public health applications, spatial data mining through visualization and knowledge engineering, and multi-scale spatial modeling. She has published widely on these topics in multi-disciplinary journals. suchi@bu.edu

Karla Gostnell
Karla Gostnell, MPH, is a senior research associate at the Center for Drug Use and HIV Research at NDRI. Her professional interests include cross-cultural health issues and the socio-spatial dimensions of public health. She majored in geography at the University of Washington, and received her Masters in Public Health in Sociomedical Sciences at the Mailman School of Public Health at Columbia University in 2005.

Traci Green
Traci Craig Green, MSc, MPhil, is a PhD candidate in the Division of Chronic Disease Epidemiology at the Yale School of Public Health, a Pre-Doctoral Fellow
Contributors

at the Yale Center For Interdisciplinary Research on AIDS, and a recipient of the National Institute on Drug Abuse Kirschstein National Research Service Award Pre-Doctoral Fellowship. Her research interests pertain to HIV/AIDS epidemiology and the social determinants of health with a focus on injecting drug users, prescription opioid abuse, women who use drugs, and structural interventions.

traci.c.green@yale.edu

Paul J. Gruenewald

Dr. Paul J. Gruenewald is Scientific Director and Senior Research Scientist at Prevention Research Center, Pacific Institute for Research and Evaluation, Berkeley, California. His research focuses upon studies of the social, economic and physical availability of alcohol, alcohol use and alcohol-related problems, mathematical and statistical models of alcohol use and abuse, the development of methods for community-based evaluations of preventive interventions, and the environmental prevention of violence. Dr. Gruenewald also directs the Spatial Systems Group, a coordinating center for research using Geographic Information Systems, Spatial Statistical Systems, and Spatial Dynamic Models. He has been a Principal or Co-investigator on 20 funded research projects and is a MERIT Award researcher with the National Institute on Alcohol Abuse and Alcoholism.

Dodi Hathazi

Dodi Hathazi, BS, has applied ethnographic methods to recruit, track, and interview a cohort of young injection drug users in Los Angeles. Her research interests include pregnancy and reproductive health issues as well as healthcare utilization among homeless youth.

Jerald R. Herting

Jerald R. Herting is a research faculty member in the University of Washington’s Department of Sociology and School of Nursing. He has been engaged in NIH and CDC funded research on adolescent physical and mental health and the role of health on the transition to young adulthood. Of particular interest is the role of context on adolescent health and social behaviors.

Eleazar Hunt

Dr. Eleazer D. Hunt, PhD, has been working in the area of GIS since 1981. Prior to coming to High Point, he worked for ESRI as a Project Manager in the area of Public Safety – leading the development of a National Institute of Justice funded crime analysis extension for ArcView, and consulting with law enforcement agencies around the world. He received his PhD in anthropology from State University of New York at Buffalo.

Lee.hunt@highpointnc.gov

David M. Kennedy

David M. Kennedy joined the faculty of John Jay College of Criminal Justice. From 1991 to 2004, David was a senior researcher at the Program in Criminal Justice Policy and Management, Kennedy School of Government, Harvard University. He is the co-author of a seminal work on community policing, ‘Beyond 911: A New Era for Policing’, and numerous articles on police management, illicit drug
markets, illicit firearms markets, youth violence, and deterrence theory. He directed the Boston Gun Project, a groundbreaking problem-solving policing exercise aimed at serious youth violence.

Lauren J. Krivo
Lauren J. Krivo is a Professor of Sociology at the Ohio State University. Her current research focuses on explaining race-ethnic differences in neighborhood crime, and the interrelationships among residential segregation, socioeconomic disadvantage, and crime. With Ruth D. Peterson and John Hagan, she is the co-editor of a recent book The Many Colors of Crime published by New York University Press (2006).

Mei-Po Kwan
Mei-Po Kwan is a Distinguished Professor of Social and Behavioral Sciences and Professor of Geography at the Ohio State University, and she is an Adjunct Professor at the Department of Epidemiology and Biostatistics in the School of Medicine of Case Western Reserve University. She is Editor of the Annals of the Association of American Geographers and section editor of the International Encyclopedia of Human Geography (10 volumes, Elsevier). Her research interests include GIS and public health, geography of crime, human activity–travel behavior, gender/ethnic issues in job access and urban travel, and information and communication technologies. kwan.8@osu.edu

Steve E. Lankenau
Stephen E. Lankenau, PhD, a sociologist, applies qualitative and quantitative methodologies to the study of high-risk, out-of-treatment populations, including homeless youth, injection drug users, and others involved in the informal street economy. Currently, Dr. Lankenau is a principal investigator on a four-year study examining prescription drug misuse among high-risk youth in New York and Los Angeles. slankenau@chla.usc.edu

Elizabeth LaScala
Dr. Elizabeth A. LaScala has served for over a decade as a Consulting Research Scientist at Prevention Research Center in Berkeley, California. She earned her MPH from University of Michigan and her PhD in Public Health from University of California, Los Angeles, with a specialty in the Behavioral Sciences and Health Education. At Prevention Research Center, her research includes ecological studies of alcohol-related problems, such as violence, accidents and injuries and, most recently, binge drinking on college campuses. Dr. LaScala has extended her interests to include the ecology of illegal drug markets.

Nancy LaVigne
Nancy LaVigne is a Senior Research Associate at the Urban Institute’s Justice Policy Center, where she directs several projects involving the spatial analysis of crime and corrections data. Prior to her current position, LaVigne was Founding Director of the National Institute of Justice’s Crime Mapping Research Center. LaVigne holds a PhD from Rutgers University, a master’s degree from the LBJ School of Public Affairs at the University of Texas, and a BA from Smith College.
Spencer Lieb
Spencer Lieb, MPH, is Senior Epidemiologist with the Florida Department of Health, Bureau of HIV/AIDS. His work has focused on AIDS epidemiology since 1981 in Florida. He has authored or co-authored numerous papers on HIV/AIDS- and IDU-related issues, including several in collaboration with Dr. Sam Friedman and colleagues at NDRI. His main interest is in utilizing routinely collected HIV/AIDS surveillance data in non-routine ways to address a number of public health problems.

Shui Shan Lee
Shui Shan Lee is Professor of Infectious Diseases at the Stanley Ho Centre for Emerging Infectious Diseases, The Chinese University of Hong Kong. His main area of research interest is infectious disease epidemiology. sslee@cuhk.edu.hk

Remedios Lozarda
Remedios Lozarda, MD, is the HIV/STD Coordinator for the Mexican state of Baja California and runs Tijuana’s Municipal AIDS Committee (Patronato Pro-Comusida, Tijuana A.C.). In 1991, Dr. Lozarda founded the Center for Integration and Recovery of Drug and Alcohol Addicts (CIRAD, A.C.), and she has also been an active collaborator on a number of projects involving HIV-positive marginalized populations. In 2007, Dr. Lozarda was recognized by the US–México Border Health Commission as a Border Hero for her work to improve public health in the region.

Max Lu
Max Lu is an Associate Professor of Geography at Kansas State University. He received his BS from Zhejiang University in 1983, his MS from the Chinese Academy of Sciences in 1986, and his PhD from Indiana University, Bloomington, in 1996. His current research interests include population migration and distribution, population and environment, and spatial patterns of health outcomes and crime. maxlu@ksu.edu

Silvana Mazzella
Mrs. Mazzella is currently the Local Health Systems Planner for the Division of Maternal, Child, and Family Health of the Philadelphia Department of Public Health, and has worked with the Health Department since 2000. Mrs. Mazzella has an extensive background in community organizing, community development, and community needs assessments, and prior to her work with the city of Philadelphia, she ran a city and statewide chapter providing recruitment consulting services to non-profits. Mrs. Mazzella has a Bachelor’s Degree in Social Work and a Master’s Degree in Geography and Urban Studies from Temple University.

Sara McLafferty
Sara McLafferty is a Professor of Geography at the University of Illinois at Urbana-Champaign. Her research investigates place-based disparities in health and access to health care for women, immigrants and racial/ethnic minorities in US cities, and the use of GIS and spatial analysis methods in examining health
disparities. Her books include GIS and Public Health (with Ellen Cromley) and Geographies of Women’s Health (with Isabel Dyck and Nancy Lewis).

Jeremy Mennis
Jeremy Mennis (PhD in Geography, Pennsylvania State University) is an Associate Professor in the Department of Geography and Urban Studies at Temple University. He is currently involved in a number of research projects which incorporate modeling neighborhood effects on individual behavior outcomes in the context of mental health, adolescent substance abuse, and juvenile delinquency.

Dominique Moran
Dominique Moran is lecturer in the geographies of transitional economies at the School of Geography, Earth and Environmental Sciences at the University of Birmingham, and an associate member of the Centre for Russian and East European Studies at that university. She is currently working on an ESRC-funded project exploring the geography of contemporary women’s imprisonment in post-Soviet Russia, and has ongoing research interests in HIV/AIDS, specifically in examining the relationship between HIV prevalence and the circumstances of post-socialist transformation. d.moran@bham.ac.uk

Danilo Norori
Danilo Norori is a social worker, a musician, and a songwriter involved in treatment counseling and advocacy. His last two records are dedicated to drug use prevention: ‘Cantarapia’.

Phoebe T.T. Pang
Phoebe T.T. Pang is a research assistant at the Stanley Ho Centre for Emerging Infectious Diseases, The Chinese University of Hong Kong. Her research interest is the application of geographic information systems in public health.

Ruth D. Peterson
Ruth D. Peterson is a Distinguished Professor of Social and Behavioral Sciences, Professor of Sociology, and Director of the Criminal Justice Research Center at the Ohio State University. Her research focuses on community conditions and crime, racial and ethnic inequality in patterns of crime, and the consequences of criminal justice policies for racially and ethnically distinct communities. She is Co-principal Investigator with Lauren J. Krivo on a project ‘Race/Ethnicity, Crime, and Criminal Justice: Diverse Research and Participation in the Academy’ funded by the National Science Foundation.

Cynthia Pope
Cynthia Pope, PhD, is an Associate Professor in the Department of Geography at Central Connecticut State University and a Visiting Lecturer at the Yale School of Public Health. Her publications, teaching, and research focus on gendered dimensions of HIV/AIDS risk as a product of globalization and nation building in Latin America, the Caribbean, and East Africa.
Lillian G. Remer
Lillian G. Remer is an Associate Research Scientist at the Prevention Research Center of the Pacific Institute for Research and Evaluation and a founding member of the Spatial Systems Group. Her primary expertise is in the area of database design and development including Geographic Information Systems and in geospatial analysis.

George F. Rengert
George F. Rengert is Professor of Criminal Justice at Temple University in Philadelphia. His area of specialty is the spatial and temporal behavior of criminals. He has written or edited seven books on the geographic aspects of crime.

Douglas Richardson
Douglas Richardson is the Executive Director of the Association of American Geographers (AAG). Prior to joining the AAG, Dr. Richardson had founded and was the President of GeoResearch, Inc., which developed and patented the first real-time interactive GPS/GIS technology and pioneered its embodiment in revolutionary new tools for real-time mapping and modeling, and for a wide range of interactive GPS/GIS applications in government, business, and society. He sold the company and its key patents in 1998. drichardson@aag.org

Kevin Romig
Kevin Romig is an Assistant Professor of Geography at Texas State University-San Marcos. His main research interests are in urbanization, community and citizenship issues, and geographic dimensions of popular culture. This research was supported by the University of North Dakota and largely conducted while Dr. Romig had an appointment at that institution. Kevin_Romig@txstate.edu

Bill Sanders
Bill Sanders, PhD, a sociologist, studies health risk behaviors, such as substance abuse, and violence and unsafe sexual practices among high-risk youth, such as injection drug users, the homeless, and gang-identified youth. Currently, Dr. Sanders is a principal investigator on a study focused on gang youth in Los Angeles, and had published Drugs, Clubs and Young People: Sociological and Public Health Perspectives in 2006.

Tom J. Scholten
Tom J. Scholten received his bachelor’s degree from Grand Valley State University and his master’s degree in geography from the University of North Carolina at Greensboro. He has worked as a GIS consultant for law enforcement, focusing on crime analysis and mapping community demographic conditions.

Michele G. Shedlin
Michele G. Shedlin, PhD, is the Leavell Professor of Nursing and Health Sciences; Co-Director, Hispanic Health Disparities Research Center; and Professor, Department of Sociology and Anthropology at the College of Health Sciences, University of Texas at El Paso. She is a medical anthropologist, currently involved
in teaching and research on the risk factors for drug use and HIV/AIDS among mobile and immigrant Hispanic populations. mshedlin@utep.edu

Karen A. Snedker
Karen A. Snedker is an Assistant Professor of Sociology at Seattle Pacific University and a Research Scientist at the University of Washington’s School of Nursing. Her interests include crime and community, fear of crime and risk assessment, and adolescent health and delinquency. Currently, she is working on several NIH grants to investigate the influence of neighborhood context on health and risky behaviors among youth. snedker@u.washington.edu

Ralph Spiga
Ralph Spiga, PhD, is Associate Professor of Psychiatry and Director of Research in the Department of Psychiatry, Temple University of Medical School. His research focus is substance abuse and dependence and comorbid mental health and substance use disorders.

Gerald Stahler
Gerald Stahler (MA in Geography, University of Toronto; PhD in Clinical Psychology, Temple University) is an Associate Professor in the Department of Geography and Urban Studies at Temple University. His research interests have focused on developing and evaluating community-based interventions for homeless substance abusers and, more recently, on examining the neighborhood influences on continuity of care, relapse, and recidivism for substance abusers. Formerly the Associate Vice-Provost for Research and Graduate Studies, his research has been funded by the National Science Foundation (NSF), the National Institute on Drug Abuse (NIDA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Center for Substance Abuse Treatment (CSAT), and the Pennsylvania Department of Health. Jstahler@temple.edu

Steffanie A. Strathdee
Steffanie A. Strathdee, a professor, is an infectious disease epidemiologist who has spent the last two decades focusing on underserved, marginalized populations in developed and developing countries. Since January, 2004, she has been the Harold Simon Chair and Chief of the Division of International Health and Cross Cultural Medicine in the Family and Preventive Medicine Department at the University of California, San Diego. Her recent work has focused on the prevention of blood-borne infections and barriers to care among injection drug-using populations, including leading a NIDA funded project (Proyecto El Cuete) to characterize the epidemiology of HIV and tuberculosis among injecting drug users in Tijuana, Mexico.

Marty A. Sumner
Major Marty A. Sumner is a twenty-three-year veteran with the High Point, North Carolina Police Department, and a graduate of John Wesley College. Major Sumner is the Chief of Staff currently responsible for the Major Crime Deterrence and Prevention Division. Major Sumner is a leader in the Department’s violence.
reduction strategies; he has worked closely with community members to insure the success of violence- and drug-reduction efforts.

Aaron Swoboda
Aaron Swoboda is an Assistant Professor with the Graduate School of Public and International Affairs at the University of Pittsburgh. He holds a PhD from the University of California, Berkeley. His research interests include land-use, spatial econometrics, and environmental economics.

Kenneth J. Tardiff
Kenneth J. Tardiff, MD, MPH, is Professor of Psychiatry, Department of Public Health, Weill Medical College of Cornell University, New York, NY.

Barbara Tempalski
Barbara Tempalski, PhD, MPH, received her doctorate degree in geography at the University of Washington in Seattle. She works as project director for the Community Vulnerability and Response to IDU-related HIV study at the Center for Drug Use and HIV Research in New York City. Her research examines the geographic variability in injection drug use-related HIV transmission and program response. tempalski@ndri.org

Yonette F. Thomas
Yonette F. Thomas, PhD, is the Chief of the Epidemiology Research Branch in the Division of Epidemiology, Services, and Prevention Research at the National Institute on Drug Abuse (NIDA) of the National Institutes of Health. Dr. Thomas is a medical sociologist/social epidemiologist with postgraduate training in demography and epidemiology. ythomas@mail.nih.gov

Stephanie Tortu
Stephanie Tortu, PhD, a social psychologist, has studied the relationship between social context and women’s risk for HIV/AIDS as well as social and behavioral factors impacting risk for HIV/AIDS and hepatitis C among drug-involved populations. Dr. Tortu has taught at several colleges and universities, presented at national and international conferences, edited two books, and authored many scientific publications.

Andrew J. Treno
Andrew J. Treno received his PhD in sociology from the University of California at Berkeley in 1983. He has been at the Prevention Research Center for over 17 years. His primary area of interest is alcohol problem prevention and evaluation. He has published in the areas of community mobilization, alcohol involvement in injury, and evaluation of environmental approaches to the prevention of alcohol-related problems. He recently served as Project Director for the Sacramento Neighborhood Alcohol Prevention Project (SNAPP). In this capacity, he has given numerous community presentations on the project and has successfully obtained CSAP funding in support of project interventions. He has also worked to adapt many of the evaluation instruments from the Community Trials project to the SNAPP project.
Avelardo Valdez
Dr. Avelardo Valdez is a professor at the Graduate College of Social Work, University of Houston, and Director of the Office for Drug and Social Policy Research. His research and publications focus on the health and social consequences of drugs, violence, gangs, high risk sexual behaviors, and drug markets in South Texas and the US/Mexico border. avaldez2@uh.edu

Mark Vanelli
Mark Vanelli, MD, MBA, is a faculty member of the Levinson Institute and Harvard Medical School. He is a practicing psychiatrist and conducts CME classes at Harvard Medical School’s Division of Continuing Education. He obtained his BA from Harvard University, Master’s in Public Health at Brown University School of Medicine, and Psychiatry Residency at Harvard Medical School. He has published and conducted research in healthcare.

David Vlahov
David Vlahov, PhD, is director of the Center for Urban Epidemiologic Studies, New York Academy of Medicine, and Professor of Clinical Epidemiology, Mailman School of Public Health, Columbia University, New York, NY

John R. Weeks
John R. Weeks, PhD, is Professor of Geography and Director of the International Population Center at San Diego State University (SDSU). His research focuses on geodemographic analyses of the US–Mexico border region, and on spatial analyses of health outcomes in cities of developing countries. He is also the author of a bestselling textbook in the field of population studies.

Xiushi Yang
Xiushi Yang, PhD, is Professor of Sociology and Criminal Justice, Old Dominion University. His research focuses on migration, HIV risk drug using and sexual behaviors, and behavioral intervention of HIV risk behaviors. xyang@odu.edu