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Professional Experience

Epidemiology and Response Division

Feb 2003-present

New Mexico Department of Health, Santa Fe NM

Epidemiologist (drug use):

Major job duties include ongoing surveillance of the consequences of drug use and dependence using data from the medical examiner, vital statistics and hospitalizations, and developing statewide surveillance of drug overdose in hospital emergency departments (ED).

- Other duties include providing insight on analytic methods, disseminating drug-related data (orally, written, news media interview/press release, Web format), responding to data requests, analysis of proposed drug-related legislation for lawmakers, reviewing grant proposals and establishing/maintaining collaborations with community, other state and federal organizations.
- ED overdose surveillance project entailed data collection, entry, management, analysis and dissemination of findings.
- Special projects include writing journal publications, improving methods for estimating the number of injection drug users, management/analysis of Harm Reduction Program data, and developing measures of disease burden in New Mexico using Disability Adjusted Life Years.

Department of Epidemiology

Nov 1997-Jan 2003

Johns Hopkins Bloomberg School of Public Health, Baltimore MD

Data analyst:

Responsibilities included epidemiological analysis of longitudinal data for HIV/AIDS cohort studies and several substudies. Position required organization, multi-tasking ability, superior collaboration and writing skills, as well as possessing statistical and data-related knowledge.

- Job duties were to help develop study design and implement statistical methods for analysis of data related to pathogenesis, immunology, virology, health services and clinical aspects of HIV infection and risk behavior.
- Other duties were to attend scientific working group meetings, present study findings at conferences, respond to data requests from investigators, provide technical assistance to doctoral students and write publications.
- Data management duties were ensuring quality and integrity of data and updating data items on UNIX operating systems.
- Also supervised two staff members during 1999.

Center for American Indian Health

May 2001-Jan 2003

Johns Hopkins Bloomberg School of Public Health, Baltimore MD

Worked part-time on a Family Strengthening Initiative intervention study, Navajo Nation.

- Duties were program evaluation, data management, analysis and interpretation of results for investigators, funding organizations and the community; volunteer soccer coach for the annual Native Vision Life Skills and Sports Camp attended by 600 Native youth around the US (2005).
(http://www.jhsph.edu/caih/Service_Projects/Family_Spirit_Project.html)

Consultant:

National Institute of Justice, US Department of Justice, Washington DC 2004-present
Provided technical review of research reports submitted to the National Institute of Justice.

Johns Hopkins Bloomberg School of Public Health, Baltimore MD 2003-2004
Consulted with investigators and conducted analyses for a multi-site HIV study among women.

Miriam Hospital/Brown University Medical School, Providence RI 2000-2002
Conducted analyses and data management for studies related to HIV risk behaviors, syringe acquisition and direct observation of antiretroviral therapy among drug-using populations.

The Weinberg Group, Inc., Washington DC 1999-2000
Conducted critical review of scientific literature and summarized findings for client projects.

Related Technical Skills

SAS, Stata, MS Office Applications (Word, Excel, Access, Powerpoint), EpiInfo

Education

BS: BIOLOGY, 1995, Binghamton University, Binghamton NY
◦ Study abroad: Murdoch University in Perth, Western Australia

MS: EPIDEMIOLOGY AND PREVENTIVE MEDICINE, 1997, Department of Epidemiology and Preventive Medicine, School of Medicine, University of Maryland at Baltimore, Baltimore MD

Miscellaneous

- Member: American Public Health Association, Council of State and Territorial Epidemiologists
- Journal reviewer (*Addiction, Drug and Alcohol Dependence, AJPH*)
- NCAA Division III Soccer Regional All-American, 1995
- Veterans of Foreign Wars Leadership Award, 1991

Publications

Strathdee SA, Celentano DD, **Shah N**, Lyles CM, Stambolis V, Macalino G, Nelson KE & Vlahov D. (1999) Needle exchange and health care utilization promote entry into detoxification. *Journal of Urban Health*, **76(4)**, 448-460.

Tang AM, Smit E, Semba RD, **Shah N**, Lyles CM, Li D & Vlahov D. (2000) Improved antioxidant status among HIV-infected injection drug users on potent antiretroviral therapy. *Journal of Acquired Immune Deficiency Syndrome and Human Retrovirology*, **23(4)**, 321-326.

Shah N, Celentano DD, Vlahov D, Stambolis V, Johnson L, Nelson KE & Strathdee SA. (2000) Correlates of enrollment in methadone maintenance programs differ by HIV-serostatus. *AIDS*, **14(10)**, 2035-2043.

Wahlstrom JT, Tang A, Cofrancesco J, **Shah N** & Dobs AS. (2000) Gonadal hormone levels in injection drug users. *Drug and Alcohol Dependence*, **60(3)**, 311-313.

Semba RD, **Shah N** & Vlahov D. (2001) Improvement of anemia among HIV-infected injection drug users on highly active antiretroviral therapy (HAART). *Journal of Acquired Immune Deficiency Syndrome and Human Retrovirology*, **26(4)**, 315-319.

Shah KV, Daniel RW, Tennant MK, **Shah N**, McKee KT, Gaydos JC, Gaydos CA & Rompalo A. (2001) Diagnosis of human papillomavirus (HPV) infection by dry vaginal swabs in military women. *Sexually Transmitted Infections*, **77**(4), 260-264.

Celentano DD, Galai N, Sethi A, **Shah N**, Strathdee SA, Vlahov D & Gallant JE. (2001) Time to initiating highly active antiretroviral therapy among HIV-infected injection drug users. *AIDS*, **15**(13), 1707-1715.

Semba RD, **Shah N**, Klein RS, Mayer KH, Schuman P, Gardner LI & Vlahov D. (2001) Highly active antiretroviral therapy (HAART) associated with improved anemia among human immunodeficiency virus-infected women. *AIDS Patient Care and STDs*, **15**(9), 473-480.

Rompalo AM, Gaydos CA, **Shah N**, Tennant M, Crotchfelt KA, Madico G, Quinn TC, Daniel R, Shah KV, Gaydos JC & McKee, Jr KT. (2001) Evaluation of a single intravaginal swab to detect multiple sexually transmitted infections in active duty women soldiers. *Clinical Infectious Diseases*, **33**(9), 1455-1461.

Rompalo AM, **Shah N**, Mayer K, Schuman P, Klein RS, Smith DK & Vlahov D. (2001) Influence of injection drug use behavior on reported antiretroviral therapy use among women in the HIV Epidemiology Research Study: On site versus referral care. *Journal of Acquired Immune Deficiency Syndrome and Human Retrovirology*, **28**(1), 28-34.

Semba RD, **Shah N**, Klein RS, Mayer KH, Schuman P, Gardner LI & Vlahov D. (2002) Prevalence, cumulative incidence, and risk factors of anemia in a multicenter cohort study of HIV-infected and uninfected women. *Clinical Infectious Diseases*, **34**(2), 260-266.

Semba RD, **Shah N** & Vlahov D. (2002) Risk factors and cumulative incidence of anaemia among HIV-infected injection drug users. *International Journal of STD & AIDS*, **13**(2), 119-123.

Semba RD, **Shah N**, Strathdee SA & Vlahov D. (2002) High prevalence of iron deficiency and anemia among female injection drug users with and without HIV infection. *Journal of Acquired Immune Deficiency Syndrome and Human Retrovirology*, **29**(2), 142-144.

Gaydos CA, Crotchfelt KA, **Shah N**, Tennant M, Quinn TC, Gaydos JC, McKee, Jr KT & Rompalo AM. (2002) Evaluation of dry versus wet transported intravaginal swabs to detect *Chlamydia trachomatis* and *Neisseria gonorrhoeae* infections by PCR in female soldiers. *Journal of Clinical Microbiology*, **40**(3), 758-761.

Fuller CF, Vlahov D, Ompad DC, **Shah N**, Arria AM & Strathdee SA. (2002) High risk behaviors associated with transition from non-injection drug use among young drug users: a case-control study. *Drug and Alcohol Dependence*, **66**(2), 189-198.

Rompalo AM, **Shah N**, Margolick JB, Farzadegan H, Arnsten J, Schuman P, Rich JD, Gardner LI, Smith DK & Vlahov D. (2004) Evaluation of possible effects of continued drug use on HIV progression among women. *International Journal of STD & AIDS*, **15**(5), 322-327.

Ghanem KG, **Shah N**, Klein RS, Mayer KH, Sobel JD, Warren DL, Jamieson DJ, Duerr AC & Rompalo AM. (2005) The influence of sex hormones, HIV status, and concomitant sexually transmitted infection on cervicovaginal inflammation. *The Journal of Infectious Diseases*, **191**(3), 358-366.

Shah N, Lathrop SL & Landen MG. (2005) Unintentional methadone-related overdose death in New Mexico (USA) and implications for surveillance, 1998-2002. *Addiction*, **100**(2), 176-188.

Ompad DC, Ikeda R, **Shah N**, Fuller CM, Bailey S, Morse E, Kerndt P, Maslow C, Wu Y, Vlahov D, Garfein R & Strathdee SA. (2005) Childhood sexual abuse and early initiation of injection drug use. *American Journal of Public Health*, **95**(4), 703-709.

Sherman SG, Fuller C, **Shah N**, Ompad DV, Vlahov D & Strathdee SA. (2005) Correlates of initiation of injection drug use among young drug users in Baltimore, Maryland: the need for early intervention. *Journal of Psychoactive Drugs*, **37**(4), 437-443.

Mueller MR, **Shah N** & Landen MG. (2006) Unintentional prescription drug overdose deaths in New Mexico, 1994–2003. *American Journal of Preventive Medicine*, **30**(5), 423-429.

Shah N, Galai N, Celentano DD, Vlahov D & Strathdee SA. (2006) Longitudinal predictors of injection cessation and subsequent relapse among a cohort of injection drug users in Baltimore, Maryland, 1988-2000. *Drug and Alcohol Dependence*, **83**(2), 147-156.

Technical Reports and Non-Peer Reviewed Publications

Shah N & Landen MG. (2005) Unintentional deaths from drug poisoning by urbanization of area – New Mexico, 1994-2003. *MMWR*, **54**(35), 870-874.

(Available at: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5435a3.htm>)

The New Mexico Epidemiology Report (Available at: <http://www.health.state.nm.us/hdata.html>)

National Institute on Drug Abuse, US Department of Health and Human Services:

- *Proceedings of the New Mexico State Epidemiology Work Group, September 2004:*

Available at: http://www.health.state.nm.us/pdf/SEWG_NM_2004_FULL_REPORT.pdf

- *Proceedings of the Border Epidemiology Work Group*

September 2004: Available at: http://www.nida.nih.gov/pdf/cewg/bewgRep_04.pdf

September 2005: Available at: http://www.nida.nih.gov/pdf/cewg/bewgRep_05.pdf

Press Interview Sample

Newspaper article

The Santa Fe New Mexican: <http://www.freewmexican.com/news/33946.html>