

The Washington University Vietnam Era Study (VES)

I. Bibliography from the Washington University Vietnam Era Study - Phase III (VES-III) and Phase IV (VES-IV (Chronological Order):*

Articles:

1. Price RK, Breslau N, Chilcoat H, Triffleman E, True W, Kosten T. PTSD and substance abuse. *Problems of Drug Dependence 1997, NIDA Research Monograph Series 178* (DHHS-NIH98-4305). Washington DC: U.S. Government Printing Office, 1998: 48-51. www.rkp.wustl.edu/VESlit/PriceNIDAResMon1998.pdf
2. Virgo KS, Price RK, Spitznagel EL, Ji THC. Substance abuse as a predictor of VA medical utilization among Vietnam veterans. *Journal of Behavioral & Health Services Research* 1999; 26: 126-139. www.rkp.wustl.edu/VESlit/VirgoJBehHeaServ1999.pdf ★★★
3. Price RK, Spitznagel EL, Downey TJ, Meyer DJ, Risk NK, El-Ghazzawy OG. Applying artificial neural network models to clinical decision making. *Psychological Assessment* 2000; 12: S40-51. www.rkp.wustl.edu/VESlit/PricePsyAss2000.pdf
4. Price RK, Risk NK, Spitznagel EL. Remission from illicit drug abuse over a 25-year period: Patterns of remission and treatment use. *American Journal of Public Health* 2001; 91:1107-1113. www.rkp.wustl.edu/VESlit/PriceAJPH2001.pdf ★★★
5. Price RK, Risk NK, Murray KS, Virgo KS, Spitznagel EL. Twenty-five year mortality of U.S. Servicemen deployed in Vietnam. Predictive utility of early drug use. *Drug & Alcohol Dependence* 2001; 64: 309-318. www.rkp.wustl.edu/VESlit/PriceDAD2001.pdf ★★★
6. Price RK, Risk NK, Haden AH, Lewis CE, Spitznagel EL. Post-traumatic stress disorder, drug dependence and suicidality among male Vietnam veterans with a history of heavy drug use *Drug & Alcohol Dependence* 2004 76: S31-43. www.rkp.wustl.edu/VESlit/PriceDAD2004.pdf ★★★
7. Virgo KS, Risk NK, Spitznagel EL, Price RK. Impact of behavioral health problems on access to care and health services utilization. *Atlantic Economic Journal* 2004; 32: 113-129. www.rkp.wustl.edu/VESlit/VirgoAEJ2004.pdf ★★★
8. Virgo KS, Piry JR, Valentine MP, Denner DR, Ryan G, Risk NK, Price RK. Access, quality and satisfaction with care: concerns of Vietnam veterans. *Research in the Sociology of Health Care* 2006; 22: 17-40. www.rkp.wustl.edu/VESlit/VirgoResSocHealth2006.pdf ★★
9. Ledgerwood DM, Risk NK, Lewis CE, Goldberger B, Price RK. Comparison between self-report and hair drug-testing of illicit drug use in a community sample of middle aged men. *Addictive Behavior* 2008; 33: 1131-1139. www.rkp.wustl.edu/VESlit/AddictiveBeh08 ★★
10. Price RK. Washington University Vietnam Era Study. In Korsmeyer P, Kranzer H (Eds.), *Encyclopedia of Drugs, Alcohol & Addictive Behavior*, 3rd Edition, Volume 4, 2008: 280-282. www.rkp.wustl.edu/VESlit/Ency08.pdf ★★★

* The grant project titles are "Vietnam Drug Users Two Decades Later," and "Vietnam veterans at risk for suicide." The first survey was funded by the National Institute on Drug Abuse (NIDA) and the second survey was funded by National Institute of Mental Health and NIDA jointly. ★: recommended reading.

- 11 Price RK, Goldberger BA. Hair analysis as a test for drug use. In Korsmeyer P, Kranzer H (Eds.), *Encyclopedia of Drugs, Alcohol & Addictive Behavior*, 3rd Edition, Volume 2, 2008: 219-220. www.rkp.wustl.edu/VESlit/PriceEncy2008b.pdf
12. Price R, Chen L-S, Risk N, Haden A, Widner G, Ledgerwood D, Lewis C. Suicide in a natural history study: lessons and insights learned from a follow-up of Vietnam veterans at risk for suicide. In: Buchanan D, Fisher C, Gable L, editors. *Research With High-Risk Populations: Balancing Science, Ethics, and Law*. Washington, DC: American Psychological Association, 2009: 109-132. <http://www.rkp.wustl.edu/VESlit/SuicCh5.pdf> ★★★★★

Instruments:

1. Price RK, Cooper MH, Virgo KS, Eisen SA, Kinsey SH. Vietnam Era Study Phase III (VES-III): Modules to Assess the Longitudinal Course of Substance Use, Psychiatric Syndrome and Health Outcomes. Washington University School of Medicine, St. Louis MO, April, 1996.
2. Vietnam Era Study Phase III (VES-III). Mortality Validity Component. Washington University School of Medicine, St. Louis MO, May, 1999.
3. Vietnam Era Study Phase III (VES-III). Protective Factor Study. Washington University School of Medicine, St. Louis MO, Revised, October, 2000.
4. Vietnam Era Study Phase IV (VES-IV). Protective Factor Study. Washington University School of Medicine, St. Louis MO, Revised, April, September, 2002.

Unpublished Papers:

1. Price RK, Ledgerwood DM, Risk NK, Lewis CE. Risk of suicide and suicide attempt in middle-aged Vietnam-Era veterans in the United States: Results from two national samples.2004. www.rkp.wustl.edu/VESlit/PriceUnpub1.pdf
2. Price RK, Risk NK, Murray KS, Freedenthal S, Ryan GW. How do protective factors mitigate risk for suicidal behavior. The "last 50 cases" study. 2004. www.rkp.wustl.edu/VESlit/PriceUnpub2.pdf

Invited Lectures (Selected):

1. Price RK. Longitudinal study: Substance abuse/use of Vietnam veterans. Department of Veterans' Affairs Readjustment Counseling Service Region 1B&2 Team Leader Training. Cleveland, OH, 1997.
2. Price RK. National picture of heroin use: Changes over time. NIDA Heroin Use and Addiction: A National Conference on Prevention, Treatment and Research, Washington D.C., September, 1997.
3. Price RK. Narcotic use, addiction and treatment: Trends of the 1990's and implications for the new Millennium. North Carolina Department of health and Human Services. Research Triangle Park, NC, June, 1998.
4. Price, RK. Suicide and suicidal behavior in Vietnam veterans. NIDA/UR Center for the Study and Prevention of Suicide. Drug Abuse and Suicidal Behavior Workshop. Washington, D.C., March, 2003.
5. Price, RK. Trauma, PTSD, substance abuse and suicidal behavior in middle aged men. Grand Round lecture. University of Rochester Center for the Study and Prevention of Suicide, NY, October, 2003. www.rkp.wustl.edu/VESlit/PricePresentationRochesterOct2003.pdf

6. Price, RK. Suicide in a natural history study. Boundaries of research obligations. NIDA, Legal and Ethical Issues in Non-Intervention Studies of Suicide, Child Abuse, and Violence. Bethesda, MD, September 2004.
www.rkp.wustl.edu/VESlit/PricePresentationNIDASep2004.pdf
7. Price, RK. Trajectory and predictors of substance abuse and associated behavior over 30 years. What can we learn from male baby boomers with a history of drug abuse and trauma exposure? NIDA, Drug Abuse in the 21st Century: What Problems Lie Ahead for the Baby Boomers? Bethesda, MD, September 2004.
www.rkp.wustl.edu/VESlit/PricePresentationNIDASep2004b.pdf
8. Price, RK. Post-traumatic stress disorder, drug abuse and suicidality. Center for Trauma Recovery, University of Missouri at St. Louis, December, 2004.
www.rkp.wustl.edu/VESlit/PricePresentationUMSLDec2004.pdf
9. RK Price. Reflections on 30 years of following up Vietnam veteran cohort with a history of heavy opiate use. Rockefeller University Laboratory of Biology of Addictive Diseases. New York, NY, January 2007. www.rkp.wustl.edu/VESlit/PricePresentationRockFellJan2007.pdf

Other Reports and Abstracts:

1. Price, RK. Vietnam drug users two decades after Vietnam. A follow-up study using the DIS. *DIS Newsletter* 1993; 10:2,8. www.rkp.wustl.edu/VESlit/PriceDISNews1993.pdf
2. Price RK, Copeland RS. Vietnam drug users two decades after Vietnam: A first look at follow-up outcomes. *Sociol Abstracts* 1993; Suppl 172;93S:27-128.
3. Price RK, Eisen SA, Virgo KS, Murray KS, Robins LN. Vietnam drug users two decades later. I. Mortality results. *Problems of Drug Dependence 1994, Vol II. NIDA Research Monograph Series 153* (DHHS-NIH95-3883). Washington DC: U.S. Government Printing Office, 1995: 204. www.rkp.wustl.edu/VESlit/PriceNIDAResMon1995.pdf
4. Price RK, Murray KS, Hilditch DJ. Vietnam drug users two decades later - A report on mortality. *Sociol Abstracts* 1994; Suppl.42,7.
5. Price RK, Ji THC, Eisen S, Virgo KS. Tracing a national sample two decades later. I. Tracing in the information age; also in: *Problems of Drug Dependence 1996, NIDA Research Monograph Series 174* (DHHS-NIH97-4236). Washington DC: U.S. Government Printing Office, 292. www.rkp.wustl.edu/VESlit/PriceNIDAResMon1997.pdf
6. Gaebelain C, Collins G, Price RK. Follow-up study tracks veterans after 25 years. *Vet Center Voice* 17(1); 1996:32. www.rkp.wustl.edu/VESlit/GaebelainVoice1996.pdf
7. Cooper M, Price RK, Rivera E, Collins G. Interviews begin for a 25-year follow-up study. *Vet Center Voice* 17(3); 1996:14-15. www.rkp.wustl.edu/VESlit/CooperVoice1996.pdf ★★
8. Price RK, Li BD, Spitznagel EL. PTSD and substance abuse: Time sequence and early predictors: Presented at the College of Problems of Drug Dependence 59th Annual Scientific Meetings, Nashville, TN, June 1997.
9. Price RK. Vietnam drug users two decades later: Disentangling the consequences of two "natural experiments." *Sociol Abstracts* 1998.
10. Price RK. War and drugs - How bad are they? Results from a 25-year followup. Washington University School of Medicine, Department of Psychiatry Research Seminar, St. Louis, MO. January, 1998.

11. Price RK. Substance abuse in adulthood: Natural history over a 25-year period. Washington University School of Medicine, Department of Psychiatry Research Seminar, St. Louis, MO, November, 1999.
12. Murray KS, Price RK, Collins G. Vietnam veteran study aims at veteran's own words on stress and coping. *Vet Center Voice* 2000; 21:23-24, 27.
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13. Price RK. Remission from illicit drug use over a 24-year period. Part I. Patterns of remission and psychiatric predictors. *Problems of Drug Dependence 1999, NIDA Research Monograph Series 180* (DHHS-NIH00-4737). Washington DC: U.S. Government Printing Office, 292.
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14. Price RK, Risk NK. Substance abuse in adulthood: Natural history over a 25-year period. *Drug and Alcohol Dependence*, 2000, 60: Suppl. No.1, S174.
www.rkp.wustl.edu/VESlit/PriceDAD2000.pdf
15. Price RK. Trauma, substance abuse and suicidal behavior in mid-life. Washington University School of Medicine, Department of Psychiatry Research Seminar, St. Louis, MO. December, 2000.
16. Price RK. Alcoholism and other drug abuse in adulthood: Natural history over a 25-year period. First Annual Guze Symposium, Missouri Alcoholism Research Center, Washington University School of Medicine, St. Louis, MO, April, 2001.
www.rkp.wustl.edu/VESlit/PriceGuzePoster2001.pdf
17. Price RK, Risk NK Capturing the "rock-bottom" phenomena in the gradual process of substance abuse remission: Artificial neural networks analyses. Poster presentation at the Sixty Fifth CPDD Annual Scientific Meeting, Bal Harbour, Miami, June 2003.
www.rkp.wustl.edu/VESlit/PriceCPDDPoster2003.pdf
18. Tinnin M, Hoag M, Fryer S, Rivera E. Puerto Rican veterans revised. *Vet Center Voice* 25(4); 2004:8-10. www.rkp.wustl.edu/VESlit/TinninVoice2004.pdf
19. Price RK. Trauma, substance abuse and suicidal behavior. Washington University School of Medicine, Department of Psychiatry Research Seminar. St. Louis, MO. March, 2004.
www.rkp.wustl.edu/VESlit/PriceDeptResSeminarMar2004.pdf
20. Risk NK, Wang JX, Lewis CE, Bucholz KK, Grant J, Price RK. PTSD-opiate abuse comorbidity: applying evolutionary approaches to the life history milestones of individuals. Poster presentation at the 68th CPDD Annual Scientific Meetings, Scottsdale, AZ, June 2006.
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21. JX Wang, Risk NK, Lewis CE, Price RK. Trauma, PTSD, opiate use, abuse and dependence: identifying common pathways. Poster presentation at the 68th CPDD Annual Scientific Meetings, Scottsdale, AZ, June 2006. www.rkp.wustl.edu/VESlit/WangCPDDPoster2006.pdf
22. Widner G, Klemish R, Collins G, Haug R, Price RK. Passing a torch from Vietnam to Iraq: generations of researchers follow soldiers at tirk for PTSD. *Officer* 2007 (July-August): 30-33.
www.rkp.wustl.edu/VESlit/WidnerOfficer2007.pdf
23. Price RK. Long-term trajectory of substance abuse and psychiatric comorbidity. Presentation at the K12 Multidisciplinary Clinical Scholars Career Development Program Clinical Research Seminar Series. Washington University School of Medicine, St. Louis, February 2007.
24. Risk NK, Widner GA, Virgo KS, Price RK. Multiple traumas and predictors of PTSD symptoms over time: a 30-year Vietnam veteran cohort study. Poster presentation at the 23rd annual

meeting of The International Society for Traumatic Stress Studies in Baltimore, Maryland, November 2007. www.rkp.wustl.edu/VESlit/RiskISTSS2007.pdf

25. Matthiue MM, Risk NK, Widner GA, Virgo KS, Price RK. The relationship between concurrent PTSD & suicidality in middle age: a cohort study of Vietnam veterans. Poster presentation at the 8th Annual Guze Symposium at Washington University School of Medicine in St. Louis, Missouri, February 2008. www.rkp.wustl.edu/VESlit/MatthieuGuzePoster2008.pdf

Media Reports (Selected):

1. Excess mortality among Vietnam veterans: Study finds high mortality rate among Vietnam veterans, *Record*, WUSM, Vol 19, Oct 20, 1994; Channel 5 News, Oct 18, 1994; Associated Press (wire), Oct 18, 1994; *Starts and Stripes*, Oct 19, 1994; Higher death rate seen among Vietnam vet, *Express News* (Texas), Oct 19, 1994; *Global Gardens*, Oct 21, 1994; Vietnam veterans' mortality, *The Houston Post*, Oct. 19, 1994; Vietnam War effects, *USA Today*, Oct. 19, 1994; Vietnam vets' mortality rate high, *Sun-Sentinel*, Oct. 19, 1994; Vietnam veterans have higher mortality rate, *The Record*, Oct 19, 1994; Vietnam vets at risk, *Newsday*, Oct. 19, 1994; Vets' death rate, *Chicago Sun-Times*, Oct 19, 1994; *Investigator's Business Daily*, Oct. 19, 1994; Mortality rate high for Vietnam veterans, *Fresno Bee*, Nov.6, 1994; Death rate higher for Vietnam vets, *Madison State Journal*, Nov.28, 1994; Vietnam vets dying sooner, *The Medical Beat*, Dec. 1994; Vietnam effects linger, *The San Francisco Examiner*, Jan 22, 1995; Brutal legacy of war: Studies find death rate higher among Vietnam veterans. *Chicago Tribune*, Jan 22, 1995; Death rates higher among Viet vets, *The Columbus Dispatch*, Jan 29, 1995; Vietnam service impact on health, long-term effects mixed, *The Kansas City Star*, Feb 5, 1995.
2. Long-term outcomes of heroin use: NIDA Conference aims "preemptive strike" at increased heroin use among Nation's young people. *NIDA Notes*, Nov/Dec 1997; Heroin finds market in young people, *Christian Science Monitor*, March 23, 1998; Pledge without allegiance, *Riverfront Times*, Feb 18-24, 1998.
3. Vietnam Era drug problems: Vietnam-Era drug problems last for decades, study finds. *Clinical & Research News*, August, 2001; Heroin use leads to premature mortality among servicemen. *Data: The Brown University Digest of Addiction* 21, March 2002.

II. Selected Publications from the 1972 and 1974 Studies:

Monographs

1. Robins LN: *A Follow-up of Vietnam Drug Users*. Special Action Office Monograph, Series A. No. 1, Executive Office of the President, Washington, D.C., 1973.
2. Robins, LN: *The Vietnam Drug User Returns*. Special Action Office Monograph, Series A, No. 2, U.S. Government Printing Office: Washington, D.C., 1974.★★★★★
www.rkp.wustl.edu/VESlit/RobinsFinalReport1974.pdf

Articles

1. Robins LN. How addicted are our Vietnam veterans? *Medical world news-Psychiatry*, 1973: 51-52. www.rkp.wustl.edu/VESlit/RobinsMedWorldNewsPsy1973.pdf

* Also known as "the Vietnam Drug User Study", and "the Vietnam Drug User Three Years Later." Funded by the White House Special Action Office for Drug Abuse Prevention (1972 Study) and the National Institute of Mental Health (1974 Study). The 1972 study was also conducted in cooperation with the Veterans Administration, Department of Defense, and Department of Labor. ★: recommended reading.

2. Robins LN, Davis DH, Nurco DN. How permanent was Vietnam drug addiction? *American Journal of Public Health* 1974; 64: 38-43.
www.rkp.wustl.edu/VESlit/RobinsAJPHSupp1974.pdf
3. Robins LN, Davis DH, Goodwin DW. Drug use by U.S. army enlisted men in Vietnam: a follow-up on their return home. *American Journal of Epidemiology* 1974; 99(4):235-249.
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4. Robins LN. The transition to civilian life: a follow-up study of Vietnam veterans' drug use. *Journal of Drug Issues* 1974; 4(1): 61-63.
www.rkp.wustl.edu/VESlit/RobinsJDrugIssues1974.pdf
5. Goodwin W, Davis DH, Robins LN. Drinking amid abundant illicit drugs. The Vietnam case. *Archives of General Psychiatry* 1975;32 :230-233.★★★★
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6. Helzer JE, Robins LN, Davis DH. Antecedents of narcotic use and addiction. A study of 898 Vietnam veterans. *Drug and Alcohol Dependence* 1975/1976; 1: 183-190.
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9. Robins LN. Estimating addiction rates and locating target populations: How decomposition into stages helps. In Rittenhouse D (ed.), *The epidemiology of heroin and other narcotics. NIDA Research Monograph 16*, 1977; 25-38.
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10. Robins LN. The interaction of setting and predisposition in explaining novel behavior: Drug initiations before, in, and after Vietnam. In Kandel D (ed.), *Longitudinal Research in Drug Use: Empirical Findings and Methodological Issues*. Washington: Hemisphere Publishing, 1978, pp 179-196. www.rkp.wustl.edu/VESlit/RobinsChapter1978.pdf ★★★★★
11. Robins, LN, Hesselbrock M, Wish E, Helzer JE. Polydrug and alcohol use by veterans and nonveterans. In Smith DE, Anderson SM, Buxton M, Gottlieb N, Harvey W, Chung T (eds.), *A Multicultural View of Drug Abuse*, Cambridge: Schenckman, 1978, pp 74-90.
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- How our study changed our view of heroin. In Brill L, Winick C (eds.), *Yearbook of Substance Use and Abuse*, New York: Human Science Press, 1980, pp 213-230.
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 18. Helzer JE. Specification of predictors of narcotic use vs addiction. In LN Robins (ed) *Studying Drug Abuse*. Rutgers University Press Series in Psychosocial Epidemiology, AE Slaby, (Series ed), New Brunswick: University of Rutgers Press, 1985, pp 173-196.
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www.rkp.wustl.edu/VESlit/RobinsAddiction1993.pdf ★★★★★