Abstract submission for: American Public Health Conference, due Feb 8, 2008. Submitted on February 4 2008. Unofficially accepted as poster presentation (April 2008)

ADULT SIBLINGS OF CHILDHOOD CANCER SURVIVORS ARE HEAVY DRINKERS: WHICH SIBLINGS ARE AT RISK? A REPORT FROM THE CHILDHOOD CANCER SURVIVOR STUDY

E. Anne Lown^a, Robert Goldsby^b, Ann C. Mertens^c, Rachael Korcha^a, Thomas Greenfield^a, Jason Bond^a, John Whitton^d, Leslie L. Robison^e and Lonnie K. Zeltzer^f

^a Alcohol Research Group, Emeryville, CA; ^b Pediataric Hemotology/Oncology, University of California, San Francisco, CA; ^c Emory University, Atlanta, GA; ^d Fred Hutchison Cancer Research Center, Seattle, WA; ^e St Jude Children's Research Hospital, Memphis, TN; ^fDepartment of Pediatrics and DCPCR, Jonsson Cancer Center, David Geffen School of Medicine, University of California, Los Angeles, CA.

Corresponding Author: Anne Lown, Alcohol Research Group, 6475 Christie Avenue, Suite 400, Emeryville, CA 94608; Phone: 510-597-3440 x265; Email: alown@arg.org

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Objective: Little is known about alcohol consumption among siblings of childhood cancer survivors, though recent research has documented considerable distress among this under-researched population. This study describes alcohol consumption patterns among the siblings of long-term survivors of pediatric cancer compared to survivors and healthy peers and evaluates demographic, mental health and severity of the cancer experience to explain associated risks for heavy drinking among siblings. **Methods**: Data were collected from 3,034 adult siblings of pediatric cancer survivors, 10,398 survivors, and 5,712 controls from a national survey. National data were weighted to reflect the distribution of siblings by gender, age and ethnicity to increase comparability of the samples. **Results**: Controlling for demographic variables, compared to healthy peers, siblings were more likely to be current drinkers (OR_{adj}=2.0; 95% CI 1.7-2.3), risky drinkers (OR_{adj}=1.3; 1.1-1.6), and heavy drinkers (OR_{adj}=1.3; 1.0-1.6). Compared to survivors, siblings were again more likely to be current drinkers (OR=1.7), risky drinkers (OR=1.5) and heavy drinkers (OR=1.5;1.3-1.8). Factors associated with heavy sibling drinking include younger age, being male, lower education, and drinking initiation at a young age. Depression and general psychological distress were associated with heavy sibling drinking. **Conclusions**: Adult siblings of childhood cancer exhibit higher rates of current, risky and heavy alcohol consumption compared to both peers and survivors. Screening for alcohol consumption should be instituted for siblings as well as for survivors. Cancer related stresses from the survivor's diagnosis and treatment do not explain the heavier drinking. Family factors should be explored in future studies.

Learning Objectives: Attendees will be able to described alcohol consumption practices among siblings of childhood cancer survivors in comparison to survivors and peers chosen from a national population-based sample. Next they will be able to identify general risk factors for heavy sibling drinking, along with risk factors particular to the early cancer experience of a brother or sister.

Acknowledgement

Work on this study was supported by grants from the US National Institutes on Health, National Institute on Alcohol Abuse and Alcoholism (P50 AA05595) through the National Alcohol Research Center, and supported by grant U24 CA55727 (L.L. Robison, Principal Investigator) from the National Cancer Institute, Bethesda, MD. The authors are grateful to the participants in the CCSS and NAS studies.

Human participant protection statement

This secondary data analysis was approved under Categories Exempt from IRB Review at 45 CFR 46.101(b) by the Public Health Institute, IRB protocol #I04-001.