

Background

Prevalence of medical co-morbidities among adults with psychiatric disorders including schizophrenia, bipolar disorder, and major depressive disorder was assessed via community health fairs. It was hypothesized that all co-morbidities would be more prevalent than in the general population, with a specific focus on past medical history of heart diseases (e.g., angina, myocardial infarction [MI], others) as well as screening results for indicators of cardiac illnesses. Relevant factors evaluated included: cholesterol, blood pressure, and smoking. In addition, multiple variables were used in order to assess 10 year risk for heart attack using procedures identified in the Framingham Heart Study.

Methods

Four hundred fifty seven (N=457) community mental health program clients in NJ, MD, IL, and GA attended health fairs run collaboratively by university researchers and peer wellness staff. A variety of common health conditions were assessed, including diabetes; BMI/obesity; cholesterol; blood pressure; smoking; and substance abuse. Multiple variables related to cardiac health were used in combination with demographic factors (i.e., age, gender) to predict proportional risk for heart attack over the next 10 years using tools from the Framingham Heart Study. Level of risk for cardiac illness are described and rates of multiple risks for cardiac illness are documented.



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Cardiac Co-morbidities among Individuals Recovering from Psychiatric Disorders

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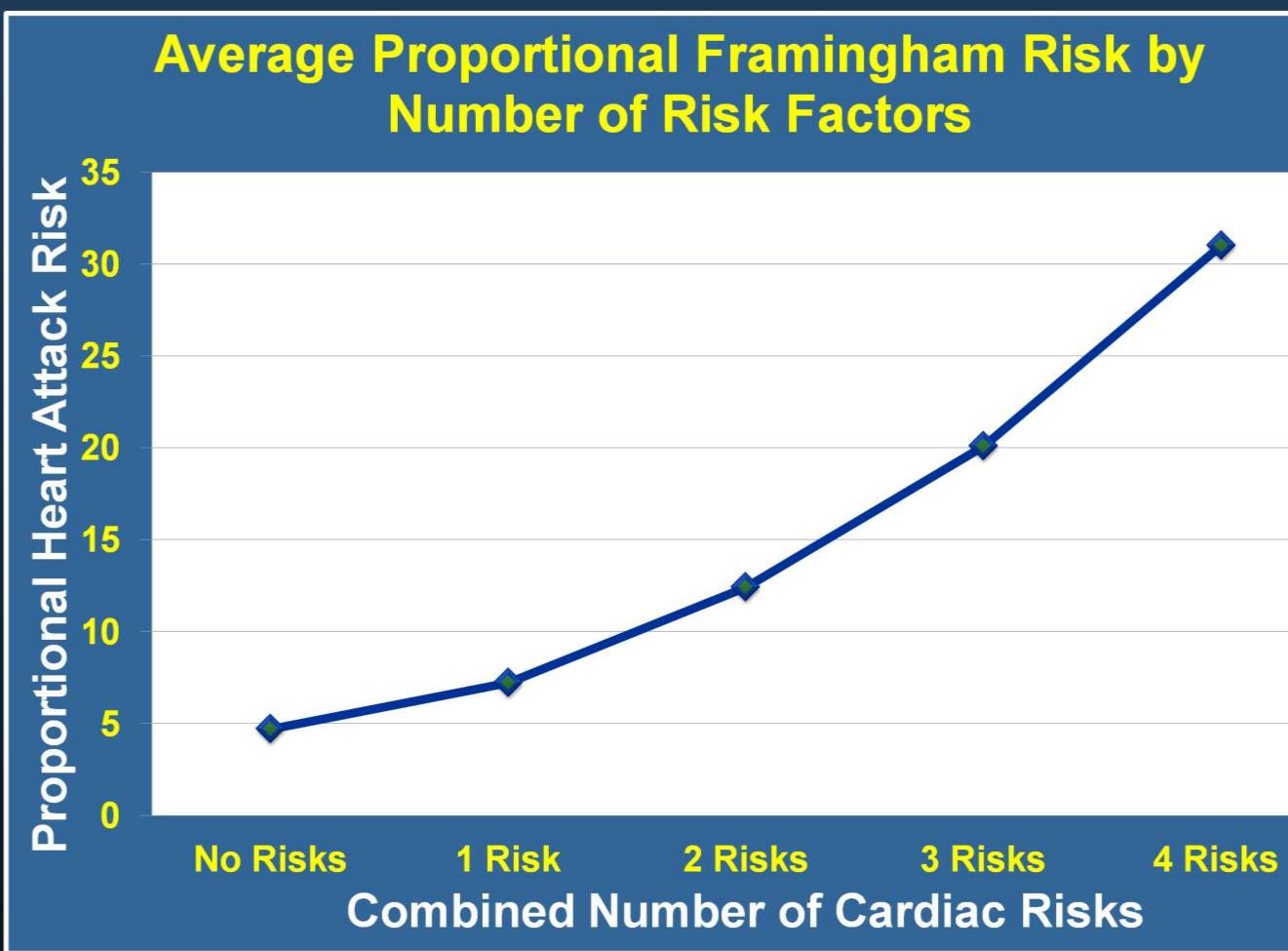
UIC National Research & Training Center on Co-Occurring Medical Conditions, Center on Mental Health Services Research & Policy

Results			
Study Sample Demographics (N=457*)	Health Screening Data	% (N)	Gen. Popul
nder: Male = 46%; Female = 54% ce/Ethnicity: Caucasian/White = 49%; African nerican/Black = 39%; Multi-Racial = 4%; Asian American = ; American Indian/Alaska Natives = 1%; Other Racial ckground = 6%	Total Cholesterol < 200 mg/dL = Healthy 200–239 mg/dL = Slightly high 240+ mg/dl = High Non-reactive Test	76% (330) 17% (75) 7% (28) 4% (18)	16% Popula
<pre>spanic/Latino: 7% ucation: No Schooling/Some HS = 20%; High School/GED = %; Voc/Technical = 7%; Some College = 26%; Associate's gree = 5%; BAs = 6%;Some Graduate School = 2%; MAs = ; Other Professional = <1%; DK = <1%</pre>	Blood Pressure < 120/80 = Normal 120-139/80-89=Pre-Hypertensive 140+/90+ = Hypertensive Proportion Smoking	35% (159)	29% Popula 21% Popula
st Recent Diagnosis: Schizophrenia = 44%; Bipolar Disorder 3%; Depression = 25%; Anxiety Disorder = 4%; rsonality Disorders = <1%; Other = 3%; DK = <1% orking for Pay: 31%	gnosis: Schizophrenia = 44%; Bipolar Disorder on = 25%; Anxiety Disorder = 4%; orders = <1%; Other = 3%; DK = <1%	8% Popula (Diabetic	
rolled in School: 11% urance Sources:** Medicaid = 36%; Medicare = 25%; Dual gible = 31%; Private Insurance = 10%; Veteran's AHB = 2%; ner = 4%; No Insurance = 15%	Average Framingham Risk Score ≤ 10% = Low Risk 11%-19% = Medium Risk ≥ 20% = High Risk	78% (344) 12% (54)	3% Popula

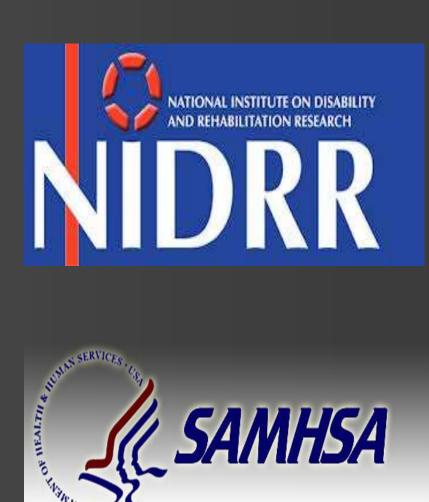
*Reflects valid percent/excludes missing data **Values do not add to 100% as participants could report multiple sources

Example Framing	gham Risk Calculator Data Application
Sex (validated only	
no transgender/inte	
Age (not validated f	
Total Cholesterol (m	
HDL (mg/DL)	45 - 49
BP (mm Hg) to choo use the highest cate	
Pt a diabetic?	Yes
Pt a smoker?	Yes
10 Year CHD Risk	20%
Comparative Risk to	o Same Age/Sex 11%









Summary & Discussion ulation ulation ulation lation lation tic) lation

Results demonstrate substantial cardiac health disparities between those in recovery of severe mental illnesses compared to those in the general population. The proportion of participants screening positive for these risks compared to national surveys of U.S. adult populations were: 7% vs. 16% for high cholesterol; 28% vs. 29% for hypertension; 45% vs. 21% who were smokers; and 10% vs. 3% at high risk for heart attack in the next 10 years. Further, approximately 14% of individuals in recovery vs. 8% of the general population screened for type 2 diabetes, another co-factor contributing to heart health risks. For those identified at the health screening event to be hypertensive, rates between those in psychiatric recovery and the general population, however, were less disparate than for other health risks. Data indicate that 44% of study participants reported being previously diagnosed with hypertension (compared to 29% in the general population); among them, 76% were currently in treatment for the illness. Although a slightly lower rate for hyperlipidemia was found among individuals in recovery through the screening tests, 45% of respondents noted they had been diagnosed in the past with high cholesterol (vs. 16% in the general population); 68% reported being in treatment for hyperlipidemia.

These findings of the higher prevalence of individual cardiac risk factors also are related to overall elevation of risk for heart attack in the next 10 years. Combined cardiac risks from multiple factors were identified, thereby increasing the proportional risk of heart attack over time. Medical health risk screening can help address epidemiologic, education, and prevention goals for this vulnerable population, as well as affect standards of care for providers.