

Substance Use Disorders: Psychiatric Comorbidity, Treatment Evaluation and Risk Behavior

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Addiction Research Section

Staff members

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Research topics

- **Development of an integrated treatment manual for patients with substance use disorders (SUD) and comorbid psychiatric disorders**
 - **Dual Diagnosis = DD**
- **Relationship of cannabis use and risk behavior among adolescents**



Problems of Dual Diagnosis Patients

- **One-third to one-half of individuals with substance use disorders have another psychiatric disorder (*Lieb & Isensee, 2002*).**
- **Lack of integrated treatment systems (*Drake & Mueser, 2002*)**
 - **Separate and contradictory treatment standards**
 - **Increased service utilization**
- **DD patients' outcomes in SUD treatment programs (*Moggi, 2002*)**
 - **Drop out ↑**
 - **Outcome ↓**
 - **Relapse risk ↑**
 - **Re-hospitalization ↑**



Effective Treatment

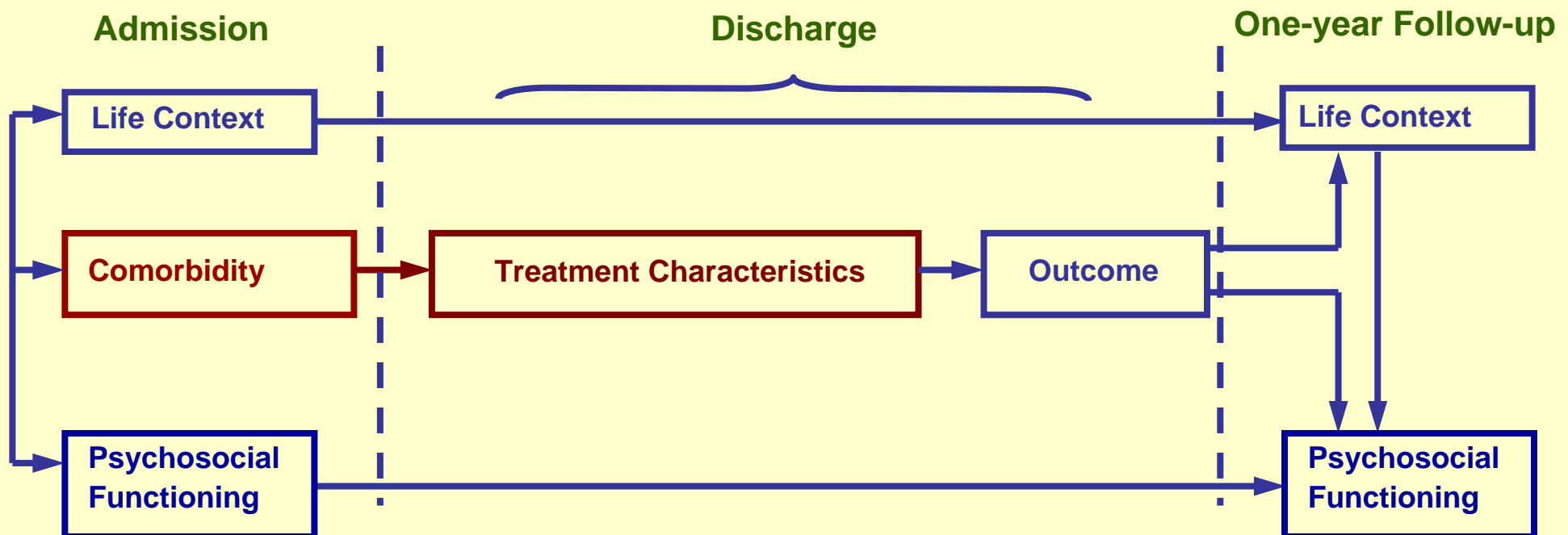
- **Polysubstance abuse & severe mentally illness (*Drake & Mueser, 2002*):**
 - Integrated treatment > sequential or parallel treatment
- **Alcohol dependence & anxiety, depressive or personality disorders**
 - Integrated treatment ?
- **U.S. Multisite Study (*Moos et al. 1999; Moggi et al., 1999*)**
 - 15 inpatient treatment programs for substance use disorders (SUD)
 - 3018 patients (DD patients: n=981; 32.5%)
 - One year after treatments with more support, structure, and intensity

⇒ **Abstinence rate ↑, psychiatric symptoms ↓, re-hospitalization ↓↓**

Swiss Multisite Study (SMS 2000)

791 patients of 12 inpatient treatment programs for SUD

- **Substance use disorders only** **53.0%**
- **Comorbidity with alcohol use disorders**
 - **Psychotic disorders** **2.3%**
 - **Anxiety/depressive disorders** **23.3%**
 - **Personality disorders** **21.4%**





Purpose of this Study and New Studies

- Identification of effective treatment characteristics for dual diagnosis patients in inpatient programs for SUD
- Development of an integrated treatment manual to be evaluated in a controlled clinical trial
- Compare treatment programs, psychiatric disorders and outcomes of the Swiss and the U.S. studies

Legend

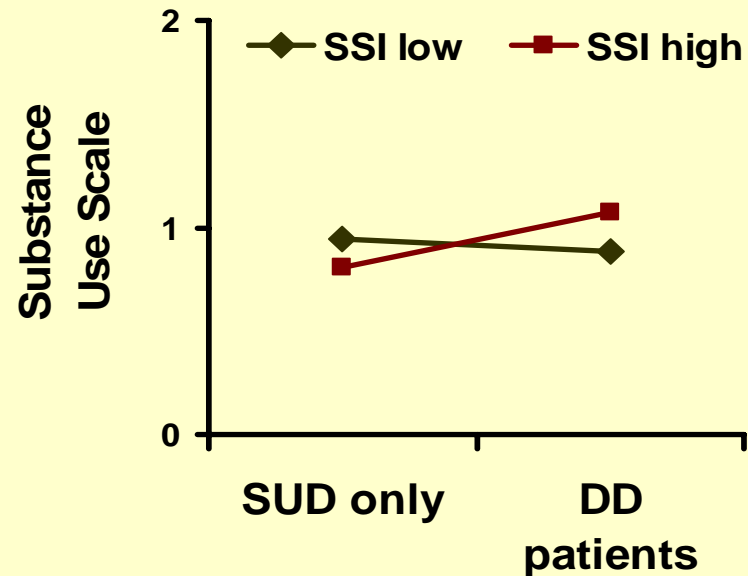
SSI: Structure, support, and intensity

Alcohol Use Scale:

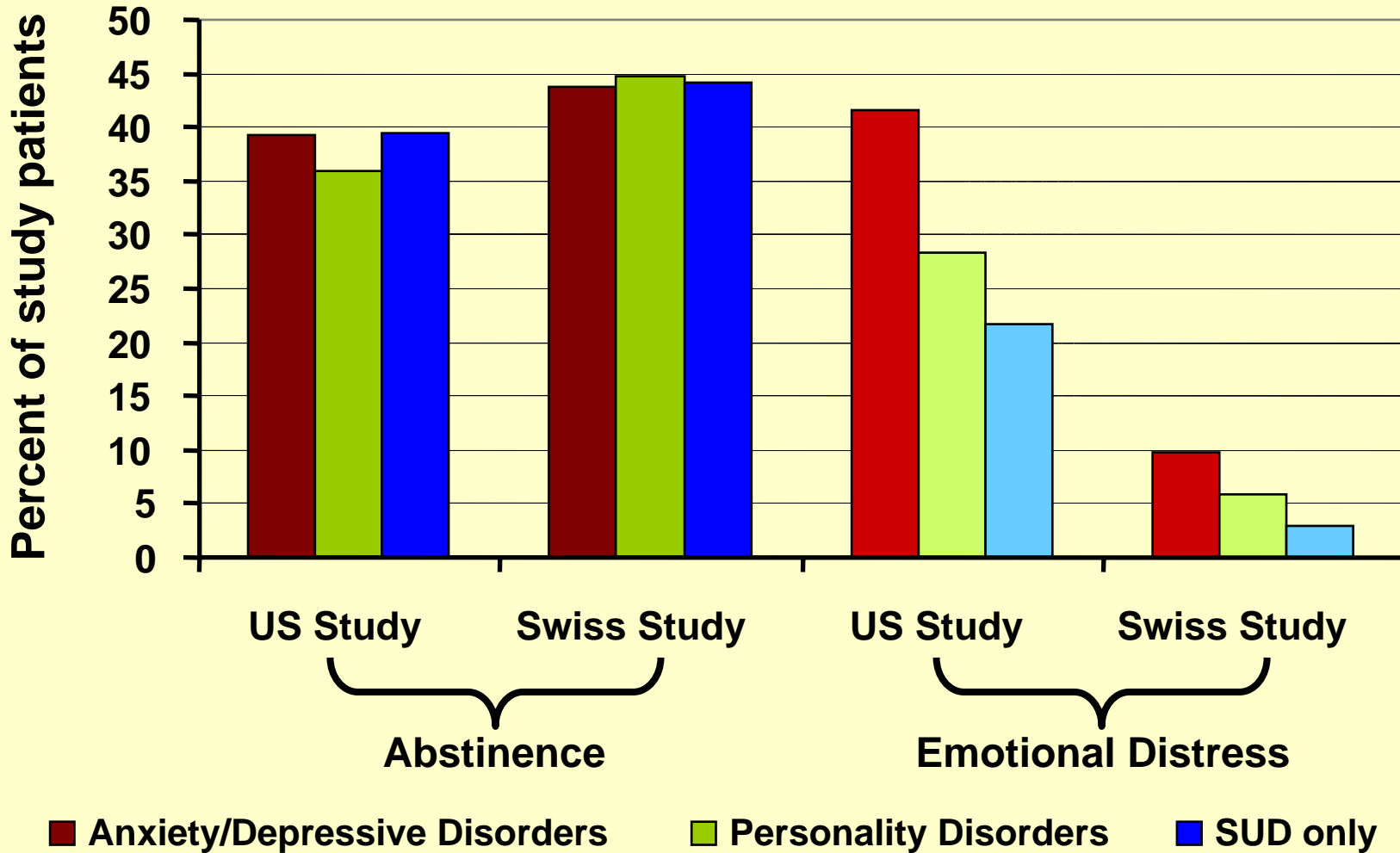
0=abstinent; 1=improved;

2=no change or deteriorated

$F_{(1, 558)}=4.40, p < .05$



One-Year Follow-up: Abstinence Rate and Emotional Distress





Co-operation

- **Stanford University : Center for Health Care Evaluation (Prof. Rudolph H. Moos)**
- **Swiss Association of Clinics for Alcohol and Drug Dependence Therapies (SAKRAM)**
- **University of Fribourg: Department of Psychology, Clinical Psychology (Prof. Meinrad Perrez)**
- **New co-operations with**
 - French speaking part of Switzerland
 - Psychiatric hospitals with inpatient treatment programs for SUD
 - Treatment centers participating in a controlled clinical trial