



The Center for Health
Enhancement Systems Studies
UNIVERSITY OF WISCONSIN-MADISON

Promise and Peril of Technology Driven Behavioral Health

Kim Johnson, MBA
CHESS/NIATx

A-CHESS

Meetings
(GPS)

Support
Network

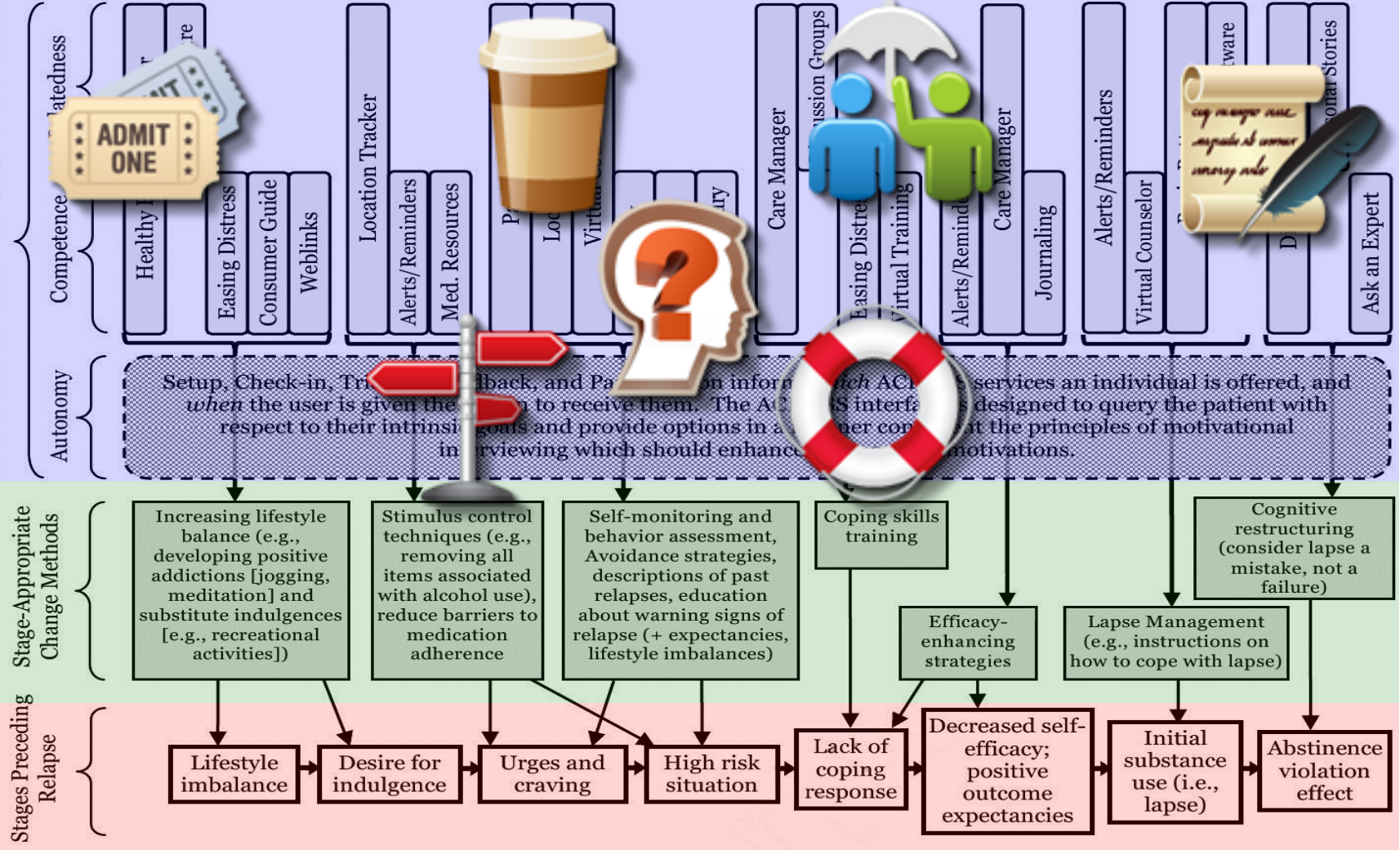


PANIC
Button

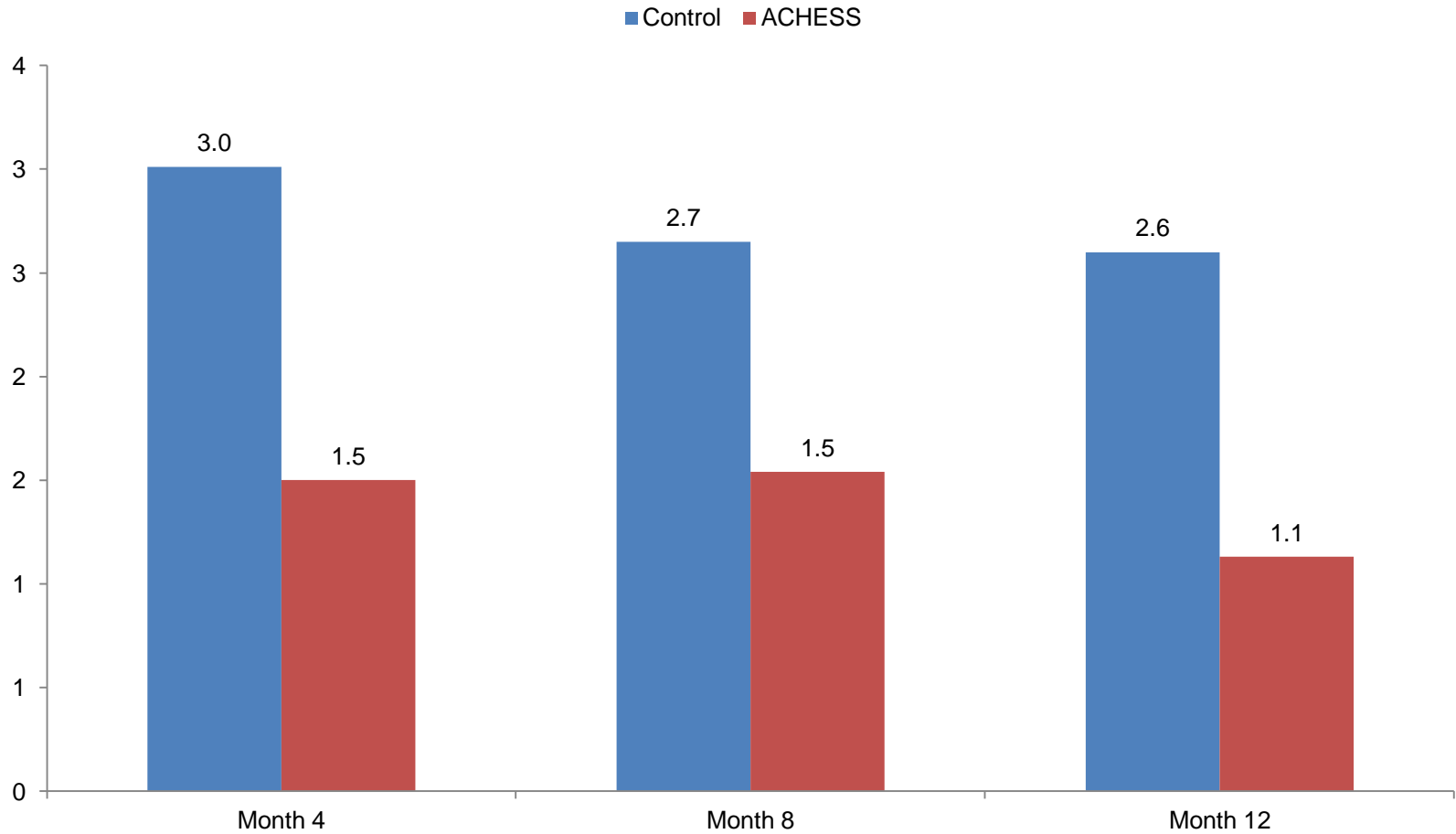
Easing
Distress

Relapse Prevention Theory

ACHES Services with Respect to Self-Determination Theory
(Services identified here are those *most likely* to be used to implement the change method. These listings are not exhaustive)



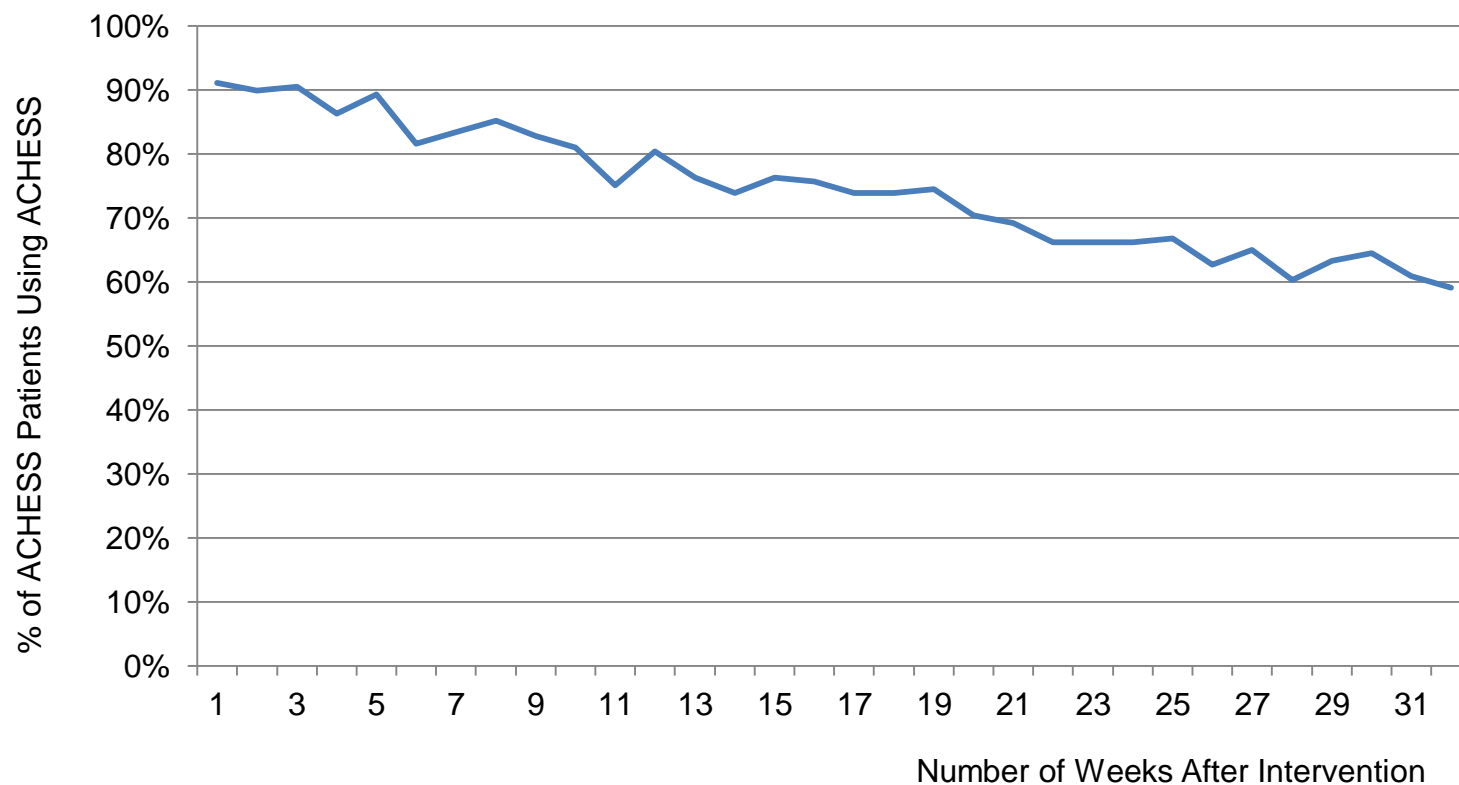
Risky Drinking Days: Group Means by Month



Results:

The main effect of treatment group was significant [$t(287.686)=2.97$, $p=.003$; $d=.23$], with A-CHESS participants reporting fewer days of risky drinking ($M=1.386$) than control participants ($M=2.752$).

% Using A-CHESS by week



Current and Future Studies

Integration with HIT

Implementation study with research consortium

Outcomes with various groups

Sensors

Predictive modeling



Leadership Challenges

Treatment Providers

- Automation
- Data (Big Data)



Leadership Challenges

Regulators/Payers

- System design
- Cross border issues
- Data capture/sharing
- Privacy protection

Leadership Challenges

Research

- Technology cycle/RCT timeline
- Study design innovation