

## Background

The transition from incarceration to the community is a particularly high-risk period for offenders. During reentry they are more likely to engage in unhealthy behaviors. The Institute of Behavioral Research (IBR) at TCU first developed and tested an inprison group-based curriculum titled WaySafe, targeted toward incarcerated offenders in their last phase of substance-abuse treatment to improve decisionmaking when they return to the community. The next step for IBR's research team is the Disease Risk Reduction (DRR2) project with funding from the National Institute on Drug Abuse. Targeted toward community supervision populations, IBR created a selfpaced curriculum, StaySafe, to test a decision-making strategy for reducing HIV risks.

## Solution

The MakeSafe senior project, sponsored by IBR, developed the StaySafe tablet application for Android<sup>™</sup> to meet IBR's design requirements. Major objectives of this project included developing the StaySafe app, saving research data (e.g., user selections, usage statistics, and satisfaction survey responses), and creating a versionpublishing application. Titled KeepSafe, this element provides the researchers with sustainability, a means of publishing future versions of the application without further developer involvement. With the IBR's research experience in behavioral science and public health, and the MakeSafe team's software programing expertise, we hope to deliver an effective intervention that guides better decisions and reduces the risk of HIV infection among probationers supervised by the community corrections system.

## MakeSafe Software

The software developed by our team includes two applications

### StaySafe

- Application for Android tablets
- Reads in dynamic JSON content
- Saves and outputs research data

#### KeepSafe

- Standalone Java application
- Utilizes JSON structure

## **IBR's StaySafe Session Structure**

All probationers who choose to participate with StaySafe will complete 12 sessions. Introduction

- Familiarize participant with StaySafe application
- Visual and verbal cues to engage participant

#### WORK-IT

- Participant selects problem choice
- WORK-IT schema guides better decisions regarding health risk behaviors
- For more information, see WORK-IT schema (Dansereau, Knight, & Flynn, 2013)

#### Participant Choice

- Provides variety within same target info
- Fun and captivating visual design
- Presents facts in appealing formats to aid retention





### Department of Computer Science

**KeepSafe Application** 

One of the key goals of this project was to provide the ability for IBR to publish different versions of the

All StaySafe content stored in public file system.

efficiently and without unnecessary repetition. A desktop application with a user-friendly interface ensures that this JSON file is built to specifications.



DRR 2

# **WORK-IT Schema\***

- W What's the problem? Who will be affected by your decision?
- Imagine how you will turn your choice into action.

## Results

- KeepSafe publishing software established for interaction with StaySafe

## Acknowledgments

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# **References and Copyrights**

\*StaySafe intervention was developed by the IBR authors/sponsors.

Lehman, W. E. K., Rowan, G. A., Joe, G. W., & Knight, K. (2014). Reducing disease risk behaviors after release from prison. *Offender Programs Report*, 17(6).

Dansereau, D. F., Knight, D. K., & Flynn, P. M. (2013). Improving adolescent judgment and decision making. *Professional Psychology: Research and Practice*, 44(4), 274-282.

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