



2022 ANNUAL REPORT

INSTITUTE OF BEHAVIORAL RESEARCH



A C K N O W L E D G M E N T S

Many and profound thanks are given to the IBR staff for their dedication and diligence in their important work and to TCU for their continued support and exceptional dedication to academic excellence and scholarly pursuits.

Layout and Design for this report: Audrey Armstrong & Ashley West

NOTE FROM THE DIRECTOR

Dear TCU IBR friends,

It is with great pleasure to release the 2022 TCU IBR annual report. Our research continues to make significant advancements within the areas of criminal justice and public health, and I am proud to share our accomplishments with you.

In 2022, the IBR focused on the implementation of our NIH-funded projects as well as on launching our federally-funded studies of rehabilitation programs within the Federal Bureau of Prisons. Our efforts have continued to lead to significant growth in personnel, with nearly 50 faculty, staff, and students now supported by our studies. We've also greatly expanded our collaborations within the University, such as building on our valued connections with TCU Nursing and with the TCU School of Medicine. Outside of the University, we've expanded our relationships with other universities, highlighted by our collaborations with our Multiple Principal Investigators from the University of New Mexico, Loyola University, Yale University, and the University of Texas Southwestern Medical Center. It also is worth noting that we have continued to expand our reach into the local Fort Worth community, partnering closely with John Peter Smith Hospital and Tarrant County Community Supervision and Corrections Department.

And perhaps most salient to the mission of TCU, the growth of our IBR SOAR (Student Overview of Applied Research) Lab has seen unprecedented undergraduate student membership. Under the direction of our scientists and graduate students, SOAR Lab undergraduate members continue to receive extensive applied research experience with activities focused on involvement in student-led projects designed to have a meaningful impact on the TCU and local Fort Worth community.

This 2022 annual report highlights these accomplishments as well as celebrates our 60th anniversary as an Institute. I invite you to read through the report to gain a deeper understanding of our Institute and the impact our research is having on making the world a better place to live.

Finally, I want to recognize the IBR staff for their continued hard work and dedication, as well as TCU leadership for their continued support of our ongoing research efforts.

Kevin

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LOOKING BACK

Step back in time to when the IBR was established, looking through each decade and seeing at how far we've come.

OUR FUNDING

Look at the graph to understand the number of grants we've received and the funding of each.

CONNECTING WITH CAMPUS

The IBR actively partners with other TCU institutes and academic departments and prioritizes student involvement in research.

CONNECTING WITH COMMUNITIES

The impact of our research is felt within our local community as well as around the world.

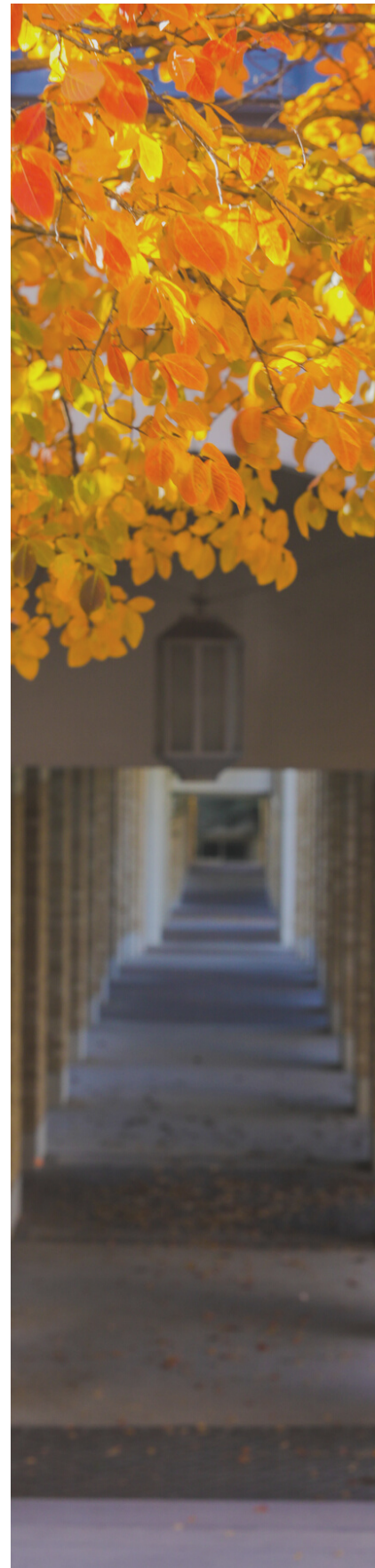
SHARING THE KNOWLEDGE

We strive to share our research findings through scientific journals, conference presentations, and in the media.

CELEBRATING 60 YEARS

In April of 2023, we will host a conference to celebrate this milestone and connect with other researchers, including those who played large roles in the IBR story.

www.ibr.tcu.edu



1960'S

PHOTO BY LINDA KAYE

LOOKING BACK ... AT THE 1960'S

Director: Saul B. Sells (1962 - 1982)

The Institute of Behavioral Research (IBR) was established in 1962 by Dr. Saul B. Sells and used first-generation computers to assess personality theories, develop performance-based selection criteria for airline pilots, and formulate personal distance needs for humans during long-duration space missions for NASA.

In 1968, the IBR developed and conducted the first federally-funded national evaluation of the community-based system for treating heroin addiction in the U.S., leading to the IBR's participation in three NIH-funded national treatment effectiveness studies.

PRICE OF GAS:

33 cents per gallon

HIT SONG:

Theme from a Summer Place by Percy Faith and his orchestra tied with *Hey, Jude* by the Beatles.

BEST MOVIE:

The Sound of Music (1965)

TCU MILESTONES:

- Institute of Behavioral Research founded
- Sadler Hall completed
- Ph.D. Program in Psychology begins




Top: George Joe, statistician



Bottom, left: Saul B. Sells, founder of the IBR

Bottom, right: American Flag from the Apollo XIII space mission signed by astronauts Jim Lovell, Jack Swigert, and Fred Haise.



 Hear the Song

1970'S



PHOTO LINDA KAYE



PHOTO LINDA KAYE

LOOKING BACK ... AT THE 1970'S

The Drug Abuse Reporting Program (**DARP**, 1970-79) conducted evaluative research for up to 50 treatment programs. Data collected from Admission and Status Evaluation forms for over 40,000 participants were used to evaluate treatment program participation and efficacy. This work lead to the Drug Abuse Epidemiology Data Center (**DAEDAC**, 1973-79) which provided a central professional research and technical information archive for the rapidly accumulating literature and data on drug abuse.

Social Structure and Group Behavior in Extended Duration Space Missions (1970-73) was funded by NASA and studied behavioral, psychological, physiological, and medical factors of manned space missions up to two years in duration and informed the selection process for such flights. The Airline Organizational and Personnel Research (1972-79) continued investigations in the development of personnel selection batteries, personal assessment studies, performance measurement, and related research.

Organizational Research in Industry (1972-77) used management surveys to conduct consultations with industry management to 1) define problem areas, 2) prepare, administer, and analyze survey instruments, 2) report results for feedback to employee groups and management, and 4) conduct follow-up survey to measure the change in attitudes and satisfaction.



Top: George Joe, Richard Demaree, D. Dwayne Simpson, John Ball, Saul B. Sells, and Y. P.

Low.

Bottom: Saul B. Sells

PRICE OF GAS:

41 cents per gallon

HIT SONG:

How Deep is Your Love by the Bee Gee's


BEST MOVIE:

Star Wars: Episode IV - A New Hope (1977)

TCU MILESTONES:

- TCU celebrates its centennial
- Sid Richardson, the Rec Center, and Annie Richardson Bass buildings completed



 Hear the Song

1980'S



LOOKING BACK ... AT THE 1980'S

Director: D. Dwayne Simpson (1982 - 2009)

The IBR received multiple grant awards supporting two major projects during this time period. The first major project was the National AIDS Demonstration Research Project (**NADR**) which was based on an \$800K award. The project ran from 1988 to 1991 and was designed to reduce high-risk behaviors among intravenous drug users (IVDUs) who were not in treatment. Program sites in 23 cities targeted 1200 IVDUs for intervention services. The IBR served as an evaluation research resource center for 5 of the NADR sites.

The Drug Abuse Reporting Program Project (**DARP**) ran from 1981 to 1989 and was based on a \$1.8M grant. This longitudinal project followed the long-term addiction careers of a sample of daily opioid users at 6-year and 12-year follow-ups after entering treatment. Behavioral improvements occurred throughout the first 6-year posttreatment period with improvements stabilizing between years 6 and 12.

Also during this time, the IBR moved to College Station for a period of time before returning to Fort Worth in 1989.

Top: Group picture in College Station, Texas, including George Joe, Elena Garcia, Wayne Lehman, and Dwayne Simpson.

PRICE OF GAS:

\$1.08 per gallon

HIT SONG:

Do They Know It's Christmas by
Band Aid

BEST MOVIE:

E.T. The Extra-Terrestrial (1982)

TCU MILESTONES:

- Library collection passes 1 million items
- Endowment reaches \$200 million
- TCU plays in the Bluebonnet Bowl



Hear the Song

1990'S



LOOKING BACK ... AT THE 1990'S

Projects continued at the IBR with the project Improving Drug Abuse Treatment for AIDS-Risk Reduction (**DATAR**) which ran from 1989 to 1994 (\$7.7M) for phase one and from 1995 to 2000 (\$4.8M) for phase two. The overall project focused on improving drug abuse treatment to help reduce client dropout, relapse rates, and AIDS-risky behaviors of intravenous drug users. The IBR supported a network of Texas-based treatment agencies in an effort to implement and evaluate intervention strategies within the context of outpatient drug-free and methadone maintenance services.

Cognitive Enhancements for Treatment of Probationers (**CETOP**) ran from 1994 to 1999 (\$2.3M). The project used cognitive enhancement tools such as "node-link mapping" and associated graphic approaches to visually represent ideas, actions, and feelings as well as "scripted collaboration."

The IBR served as a Field Research Center for the Drug Abuse Treatment Outcome Study or **DATOS Project** which ran from 1995 to 2000 (\$2.14M).

The **Workplace Project**, which ran from 1991 to 1996 (\$2.2M), studied drug use in the workplace including prevalence, reasons, and impact.

The **Downward Spiral** board game was developed during this time and depicts realistic consequences that could occur with continued drug use. The game also helps clients learn about the health, social, financial, and legal risks accompanying continued drug use. The game is available for purchase at cost from the IBR website.

PRICE OF GAS:

\$1.15 per gallon

HIT SONG:

Candle in the Wind by Elton John
(a tribute to Princess Diana)

BEST MOVIE:

Titanic (1997)


TCU MILESTONES:

- First Frog Camp
- TCU wins Mobile Alabama Bowl
- TCU joins the Western Athletic Conference, wins the SWC football co-championship, and plays in the Independence Bowl

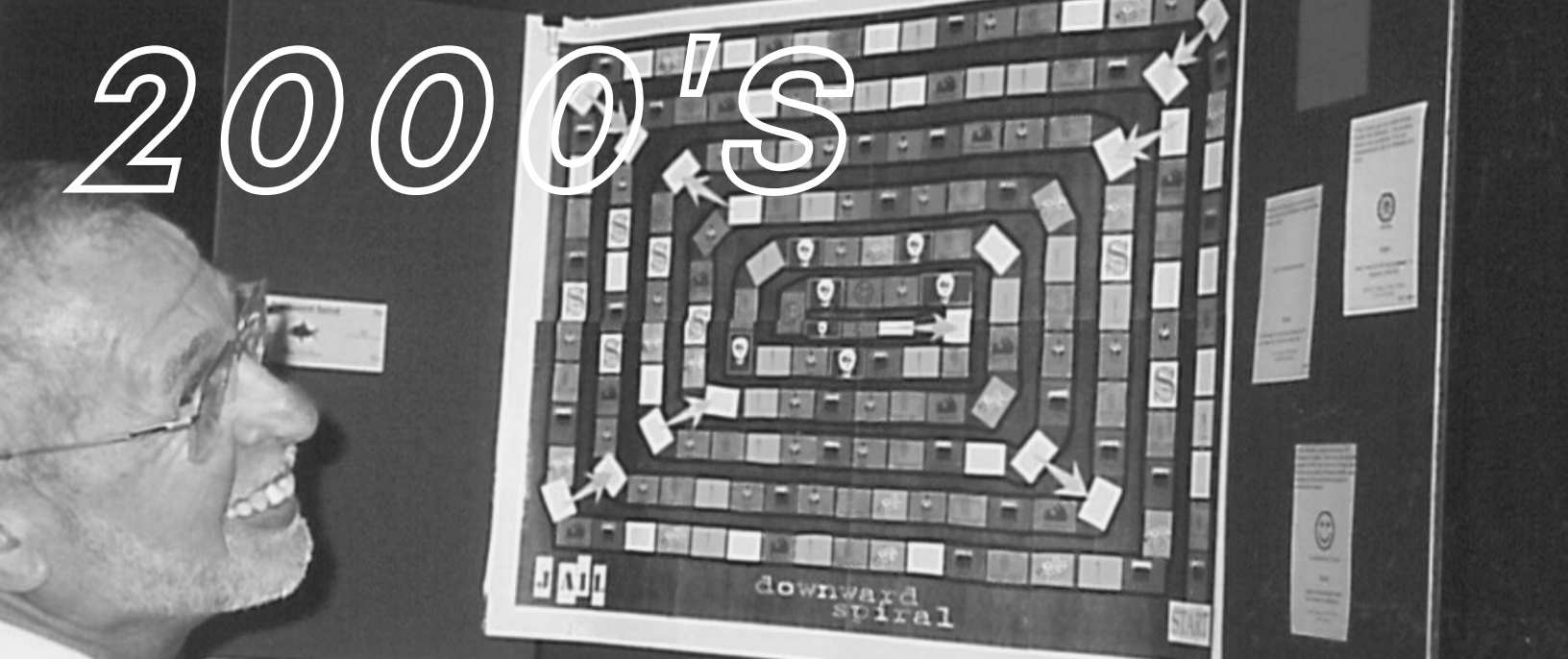


Top: Group at picnic near TCU



 Hear the Song

2000's



LOOKING BACK ... AT THE 2000S

Director: Pat Flynn (2009 - 2020)

The new millennium began with **phase 3 of the DATAR** project which ran from 1999 to 2004 and was funded by a \$3.7M award, continuing the work begun with the first phase of DATAR to improve treatment and reduce client dropout and relapse rates among injection drug users (IDUs).

Phase 4 of the DATAR project also began during this time and ran from 2004 to 2009, continuing work begun with the original DATAR project - to improve treatment and reduce client dropout and relapse rates among IDUs.

The **second phase of CETOP** also occurred during this time and ran from 2000 to 2005 based on an award of \$2.3M. This project phase extended the prior research on the motivational and skill-based elements by examining how they can be combined and efficiently delivered.

Project work also served to identify gaps in services and treatment needs which, in turn, provided fertile ground for intervention development. Such was the case with **TCU Mapping Enhanced Counseling (MEC)** which was included in the National Registry of Evidence-based Programs and Practices (NREPP) in 2008.

PRICE OF GAS:

\$2.05 per gallon

HIT SONG:

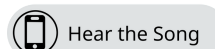
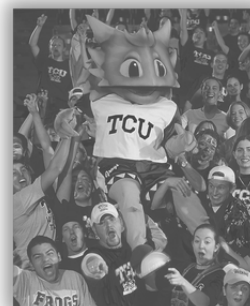
I Gotta Feeling by The Black Eyed Peas

BEST MOVIE:

The Dark Knight (2008)

TCU MILESTONES:

- TCU joins Conference USA
- Women's basketball wins WAC title
- Victor Boschini, Jr. becomes TCU's 10th Chancellor
- Frogs have 1st perfect regular season since 1938 (12-0)



Top: Don Dansereau with Downward Spiral board game.



2010'S

LOOKING BACK ... AT THE 2010'S

From 2010 to 2019, the researchers at the IBR began **phase 4 of the DATAR Project** which continued the work begun with the original phase of DATAR to improve treatment and reduce client dropout and relapse rates among IDUs.

The **Adolescent Project** ran from 2010 to 2014 and continued the work begun with the original DATAR to improve treatment and reduce client dropout and relapse rates among IDUs.

The **CJ-DATS Project** ran from 2007 to 2013. The Criminal Justice Drug Abuse Treatment Studies established interventions and assessments designed to assist corrections-based treatment in an effort to reduce offender drug use and crime-related costs to society.

The **CJ-DRR Project** ran from 2008 to 2013. The Sustainable HIV Risk Reduction Strategies for CJ involved a manual-guided DRR planning and decision-making strategy based on cognitive tools. The project focused on evidence-based, visual-spatial (including TCU mapping-Enhanced Counseling) techniques rather than a traditional didactic communication approach. Intervention implementation took place across five different states.

From 2010 to 2015, the **STT Project** or Seek, Test, and Treat: A Randomized Controlled Trial of an Augmented Test, Treat, Link, and Retain Model for North Carolina and Texas Prisoners adapted and integrated several interventions including motivational interviewing, ART adherence intervention, Motivating Change (a Cognitive mapping-based intervention), and CONNECT (a needs assessment and HIV care linkage program) for prisoners.

PRICE OF GAS:

\$2.70 per gallon

HIT SONG:

Uptown Funk! by Mark Ronson with Bruno Mars

BEST MOVIE:

Avengers: End Game (2019)


TCU MILESTONES:

- TCU joins the Big 12 Conference
- TCU wins the Rose Bowl
- 6 Horned Frogs were selected as Fulbright Scholars
- Frogs went to the College Baseball World Series.



Top: Jen Pankow and Wayne Lehman at Mundelein Conference



 Hear the Song

2020'S



LOOKING BACK ... AT 2020!

The 2020's started with a big announcement!
January 1, 2020, TCU College of Science & Engineering Announcements:

TCU's Institute of Behavioral Research is now a part of the **College of Science & Engineering**. The move stands to align similar missions and create synergy and opportunity for students. "In my view, the IBR move to CSE is a significant administrative move that will help strengthen TCU's academic profile and reputation, which aligns directly with the university's first strategic imperative," said Kevin Knight, Ph.D., professor and interim director of the Institute for Behavioral Research. In addition to raising the university profile, Knight said the realignment will increase research opportunities for students in the CSE.

"For example, the **IBR SOAR** Lab (Student Overview of Applied Research) offers undergraduate students an introduction to applied research, coupled with interactive activities aimed to enhance academic skills," Knight said. "IBR also provides students with networking and mentoring opportunities with research-interested peers, graduate students, and experienced IBR research scientists."

Phil Hartman, Ph.D., dean of the College of Science & Engineering, said he is thrilled to have IBR within the college. **"The IBR has long been one of TCU's crown jewels,"** he said. "The research funded by the National Institutes of Health that is conducted in the institute has been impactful to our society and aligns directly with TCU's mission statement of educating leaders to think and act as ethical leaders and responsible citizens."

PRICE OF GAS:

\$2.17 per gallon

HIT SONG:

Blinding Lights by The Weeknd

BEST MOVIE:

The Eight Hundred (2020)

TCU MILESTONES:

- TCU wins the Big 12 Championship in baseball and women's soccer
- TCU is ranked #4 in the nation for best college dorms
- TCU Today is launched as a new platform for community engagement

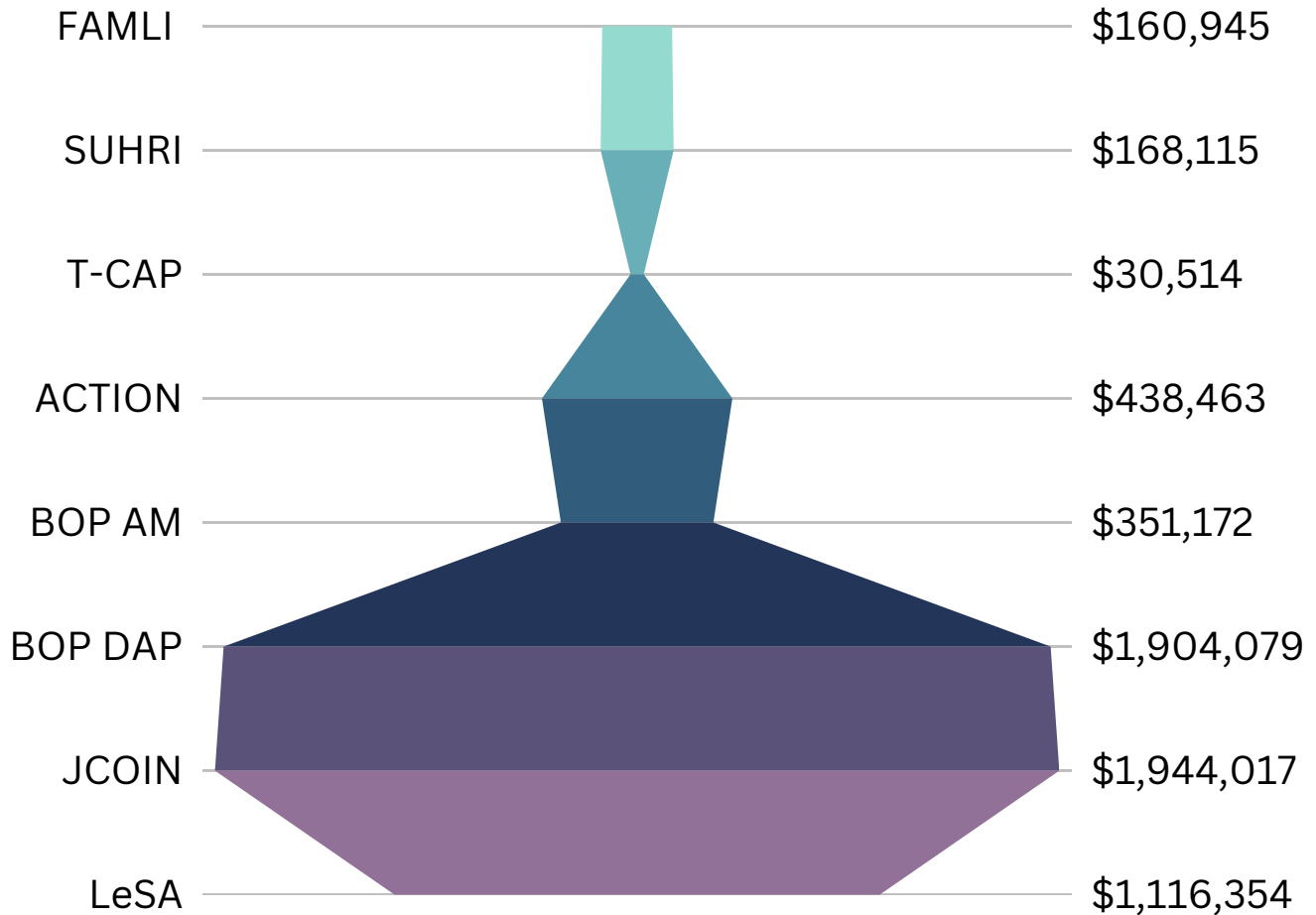


Hear the Song

Top: For much of 2020, we continued to meet weekly by a virtual platform to discuss research projects, events, university news and COVID impact.

OUR 2022 FUNDING

This graphic shows our 2022 grant funding totaling **\$5,953,514**.



*FAMLI (5/1/22 - 4/30/23)
SUHRI (9/1/22 - 8/31/23)
T-CAP (8/1/22 - 7/31/23)
ACTION (9/30/22 - 8/31/23)*

*BOP AM (9/1/22 - 8/31/23)
BOP DAP (9/17/22 - 9/16/23)
JCOIN (5/1/22 - 4/30/23)
LeSA (9/1/22 - 8/31/23)*

OUR MISSION ...

The mission of the IBR is to evaluate and improve health services that address substance use as well as related mental health and social problems.

For many years, research staff at the IBR have given special attention to addictions, treatment, and the evaluation of cognitive and behavioral interventions provided by community-based and criminal justice programs.

CONNECTING WITH COMMUNITIES

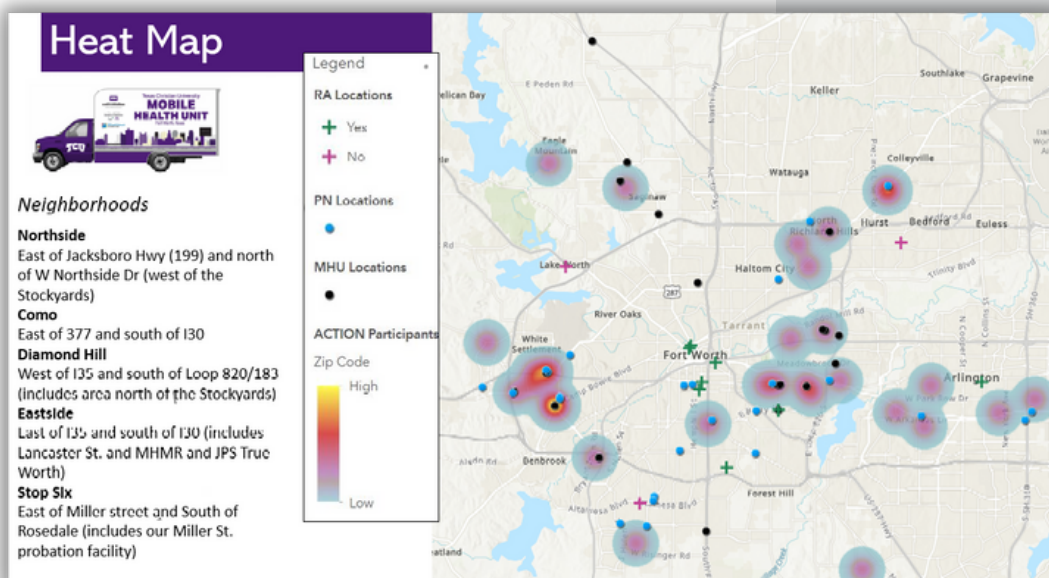
Research interests in recent years focused on areas of significant public concern — especially addiction treatments for justice-involved populations (both adult and youth). Other areas of interest include prevention efforts in the spread of HIV and related infections among substance users, the implementation of evidence-based practices, organizational functioning, and process research.

Implementing innovations from field-based studies depends heavily upon partnerships with treatment systems and honoring commitments to address their needs. Products developed from funded research (i.e., intervention manuals, assessments, presentations, and integrative summaries) continue to be made available without cost to treatment providers, interested researchers, and the general public for non-commercial purposes.



OUR PRIMARY GOAL . . .

is to help people who have or are at risk for a substance use disorder by conducting studies of health services in both community and correctional settings. Currently, the majority of projects that involve meeting participants do so in the local community context.



This heat map shows the locations in Tarrant County where our ACTION Project team meets with participants. Both the Mobile Health Unit and Patient Navigation arms prioritize conducting participant visits in the community.



EMPOWERING COMMUNITY PARTNERSHIPS



ACTION

ACTION

Community partnerships are at the forefront of the ACTION Project. Knowing that individuals at risk for HIV and/or opioid use disorder often lack support as they transition from incarceration to the community, the ACTION project is focused on determining the most effective way to link individuals to community providers. Both the Mobile Health Unit and Patient Navigators provide a link to services such as housing, medical, and social support. ACTION provides a direct connection to resources available in the community. Examples of referrals made include connections to food pantries, food stamps, Medicaid, JPS connections, dental care, mental health care, housing, employment, legal fee assistance, communication assistance, clothing, and primary care. Even in the early stages of the project, the team has seen participants accessing resources, including medicines like PrEP and other services available in the community for the first time

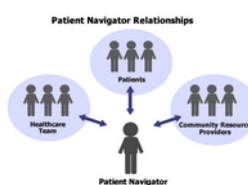
ACTION represents the opportunity to engage in a community-wide effort focused on addressing gaps along the service/prevention cascade of care for the target population, with the primary goal being the improvement of linkage to HIV/MOUD and related services for justice-involved individuals. The ACTION Project has provided the IBR the opportunity to further build partnerships with **TCU's Burnett School of Medicine** as well as the **Harris College of Nursing**. To meet the needs of participants assigned to receive services on the Mobile Health Unit, the ACTION Project partners with TCU Alum, Hunter Scarborough and TCU School of Nursing's professor, Lynette Howington to facilitate MHU visits. In addition, the IBR currently collaborates with Emma DiFiore and Leticia Rivera from the School of Medicine to further their academic research goals.

Not only is ACTION striving to connect participants with community partners, but community partners have been invited to provide training for the team. In the Spring, ACTION hosted Brandon Bright, the Ending the HIV Epidemic Community Engagement Specialist for Tarrant County, and Bryan Tyler Orr, an Infectious Disease Intervention Specialist. They spoke about their roles in the community, and their lived experience as individuals with HIV.

The ACTION team also received training from Joel Hunt and his street medicine team which provided valuable insight on how to make the MHU approachable to participants.

Participant Feedback: Patient Navigator Intervention

I thank God for putting both of you in my path. You both are amazing support group for me. Thank you for the encouragement!



When I relapsed on meth, my PN asked to meet with me the very next morning to check in. It meant a lot that you all are so invested and that I knew people cared about me. I was able to share with someone else which helped relieve feelings of guilt and shame that I was having. It meant a lot to me and I don't know where I would be without the study... I'd probably be using again and back in jail.





LeSA

The LeSA project uses an attachment-based, trauma-informed intervention called Trust-based Relational Intervention (TBRI) to promote emotional regulation in youth through interactions with responsive, trained adults. The TBRI curriculum was developed by Karyn Purvis and David Cross from the Karyn Purvis Institute of Child Development on the TCU campus. Staff from both research institutes interface and collaborate on common research interests and projects. This research project also serves as a basis for graduate student dissertations and independent studies. Specifically, Lillyan Shelley, a 3rd-year doctoral student in experimental psychology, has published research based on her involvement with this project.

The LeSA project has spent the last two years adapting and piloting TBRI curriculums for use in the juvenile justice setting. Partnering with the KPICD, the IBR has been able to learn from and build on the expertise of facilities already implementing TBRI. Using TBRI, the LeSA team identifies safe adults (e.g., parent/guardian, extended family member) who are then trained in techniques to empower youth to appropriately express their needs, connect with others in pro-social ways, and correct or reshape undesirable behavior.

LeSA brings a unique approach to engaging youth and caregivers. Not only do they provide psycho-education for caregivers regarding TBRI, but they also adapt elements that can be taught to youth as well. While youth and caregivers have their own designated sessions for learning TBRI strategies, they are brought together to practice skills they learn outside of regularly scheduled visitation. In their combined groups, youth and caregivers have the chance to have hands-on practice with strategies that build connection. The team has seen positive impacts where youth are wanting to lead certain activities in order to show their caregivers all they are learning. The caregivers also report that connecting with their youth prior to release from the facility is allowing them time to problem-solve issues that may arise when their youth returns home.

The TBRI rollout phase for 13 research sites will begin in 2023 as will distribution plans for the curriculum developed through the project.



Scan the QR Code for full project descriptions.



Current Projects

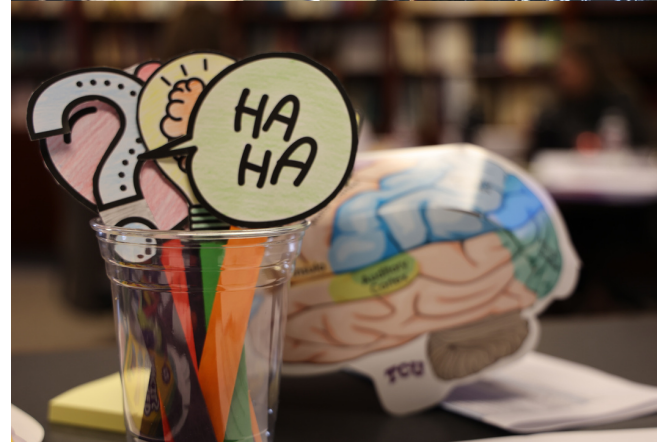
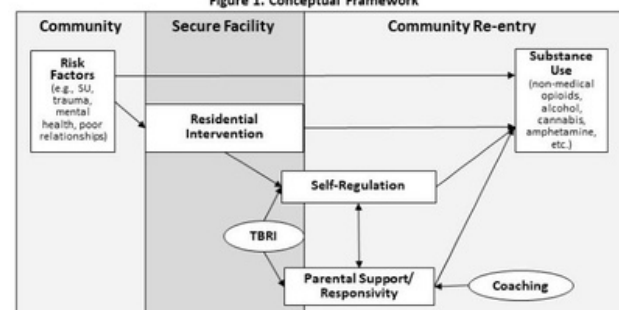
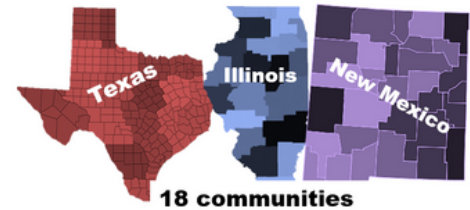


Figure 1. Conceptual Framework





JCOIN

JCOIN is also focused on strengthening community agencies working to support justice-involved individuals with a history of, or at risk for, using opioids. Working alongside researchers at New Mexico University and Loyola University, the JCOIN team has conducted need assessments and coached work group meetings in over 18 communities with over 200 stakeholders.

Understanding that the breakdown in the referral and linkage process often occurs as individuals move from criminal justice agencies to behavioral health agencies. This breakdown often coincides with the individual's return to the community. The JCOIN team provides training to address this gap and strengthens agencies' knowledge of treatment and linkage. The Opioid-Treatment Linkage Model (O-TLM) Resource Guide was developed to specifically help agencies with the handoff process. The goal is to help individuals get screened, assessed, and connected with treatment resources in a timely manner.

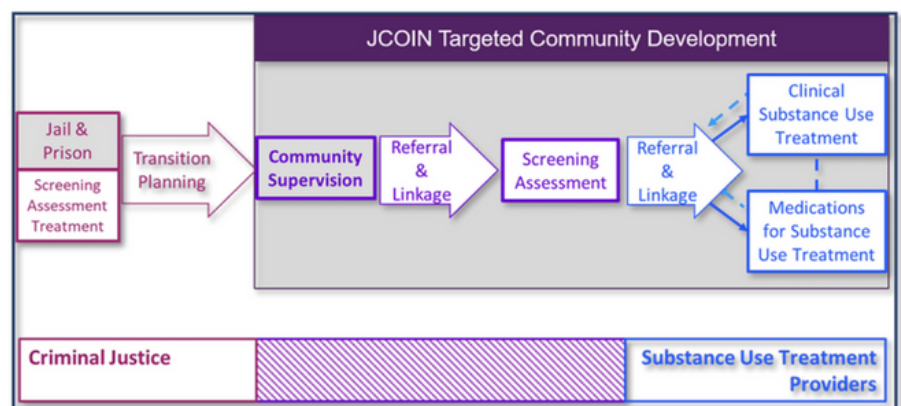
There has already been great interest in the O-TLM Resource Guide from community leaders and parole officers. The JCOIN team is currently working on finalizing the written portion of the O-TLM as well as the corresponding webinars.



"I get really excited because I see this as a wonderful opportunity to move people together to improve the efficacy of services for justice-involved individuals who have substance use disorders"

**-Dona Howell, MS,
CRADC/CODPII**

**NIH
HEAL
INITIATIVE**



ENGAGING CAREGIVERS AND FAMILIES

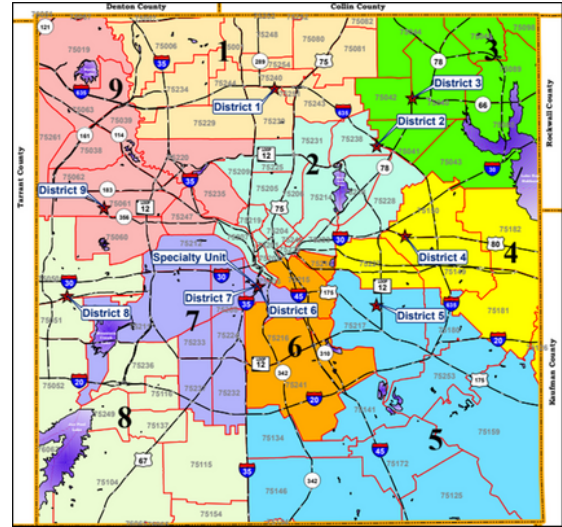


FAMLI

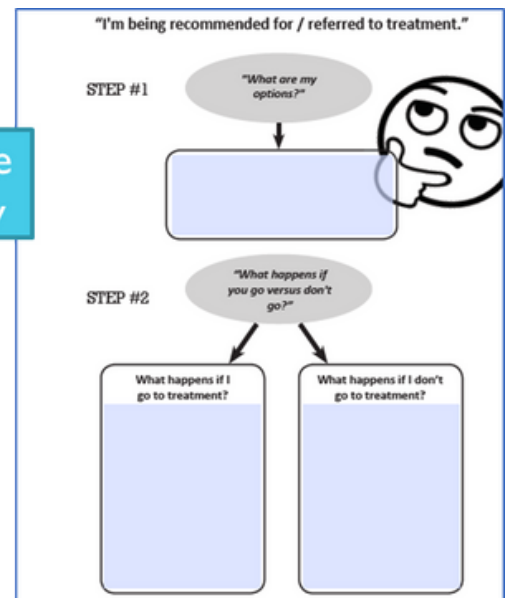
The Family Assessment, Motivation, and Linkage Intervention (FAMLI) Project is working on integrating existing tools within juvenile justice into a youth-caregiver intervention. Utilizing Mapping-Enhanced Counseling and/or Active Linkage, FAMLI is looking to increase substance use treatment initiation.

Working with our partners in Dallas County, the FAMLI team is addressing the service gap for youth by encouraging family engagement, focusing on motivation to change, and offering linkage to services and treatment engagement.

Our research team is often on the road to meet with youth and caregivers near their homes and schools. They also have adapted an IBR classic, The Downward Spiral Game, to be available in a digital format. This project will wrap up data collection in 2023, and begin to analyze the intervention's effectiveness.



Example
Activity



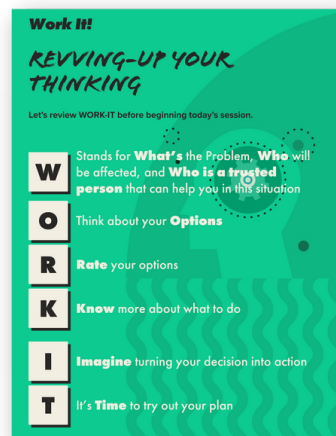
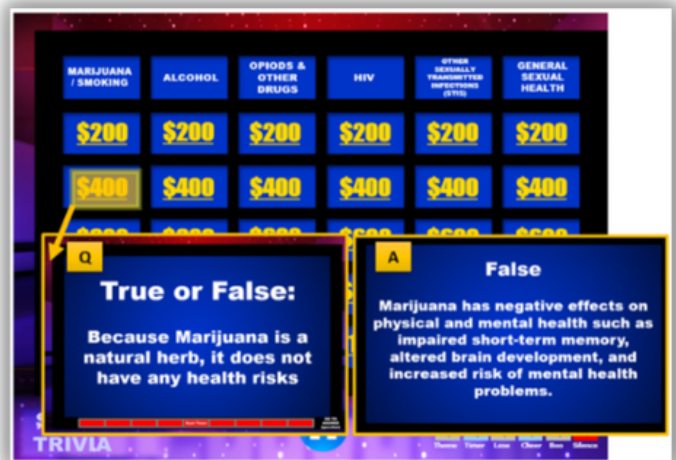
SUHRI

Substance Use and Health Risk Intervention (SUHRI) aims to encourage healthy decision-making around behaviors involving substance use and risky sex practices for youth on community supervision. This is done utilizing a brand new web-based application as well as interactive sessions with our team. Using Mapping Enhanced Counseling tools, the SUHRI team developed a web-based app to help youth walk through specific real life scenarios and receive immediate feedback on their decision making. The app allows youth to consider decision-making without the risk of disclosing anything sensitive to their probation officer or a family member such as how to get help for substance use or get tested for a sexually transmitted infection.

The goal is to have an effective intervention that probation officers can have youth complete in 10-15 minute sessions.

The team has already seen a positive impact on youth including receiving many questions about TCU and the college experience. SUHRI works to connect the youth with TCU's Community Scholar Program when appropriate.

This project will also wrap up initial data collection in 2023 and begin to analyze results.



EXPANDING

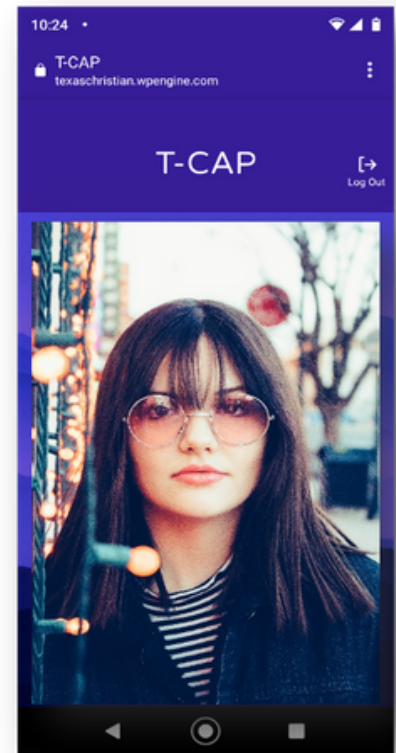
RESOURCES FOR INDIVIDUALS

T-CAP

Telehealth-Clinical Advocacy Project (T-CAP) is a development and feasibility study to examine the impact of integrating clinical telehealth services within a police opioid diversion program in a midwestern state. As part of a state response to the opioid crisis, law enforcement agencies and community stakeholders launched an Opioid Diversion Program (ODP) where individuals voluntarily enter a police department and ask for help with substance use treatment without fear of arrest.

The T-CAP intervention focuses on enhancing one county ODP by (1) introducing a telehealth model that links participants to a trained clinician throughout the intervention process, and (2) expanding the community treatment services infrastructure (including expanded options for pain management and increased access to medical services that can provide medication-assisted treatment or MAT).

The novelty of this strategy is that it focuses on the need to provide participants with rapidly available, clinically professional services and support as part of the police diversion program, and it expands the management services.



Participant's report...

83%
Easy to talk to
counselor

67%
App Improved access
to care

Being able to talk to a counselor and go over my addiction...I held everything in and now I am an open book and so I feel that the virtual telehealth has been extremely helpful because someone is always there.

T-CAP Participant Interview

EQUIPPING

POLICY MAKERS

BOP PROGRAM EVALUATION

The Federal Bureau of Prisons (BOP) provides substance use treatment in federal prisons through a number of different programs designed to assist participants in examining the impact of substance use on their lives, committing to and maintaining recovery from substance misuse, and addressing associated risk factors. Delivering effective intervention programs is necessary to mitigate the problems associated with this particular population.

The IBR works alongside the BOP to conduct an evaluation of the Bureau's drug abuse treatment programs: drug education (DE), residential drug abuse program (RDAP), non-residential drug abuse program (NRDAP) and medically assisted treatment (MAT), as well as evaluating outcomes for people who have participated in two or more of these programs. In addition, the IBR is also evaluating the BOP's Anger Management (AM) program.

During this initial year of program evaluation, the IBR team has begun reviewing archival data from the BOP. Working with the BOP, our team evaluates current data while beginning to collect additional data in order to explore and explain the efficacy of the Bureau's current programming.

Bureau of Prisons Program Evaluation Studies



Drug Abuse Programs | Anger Management

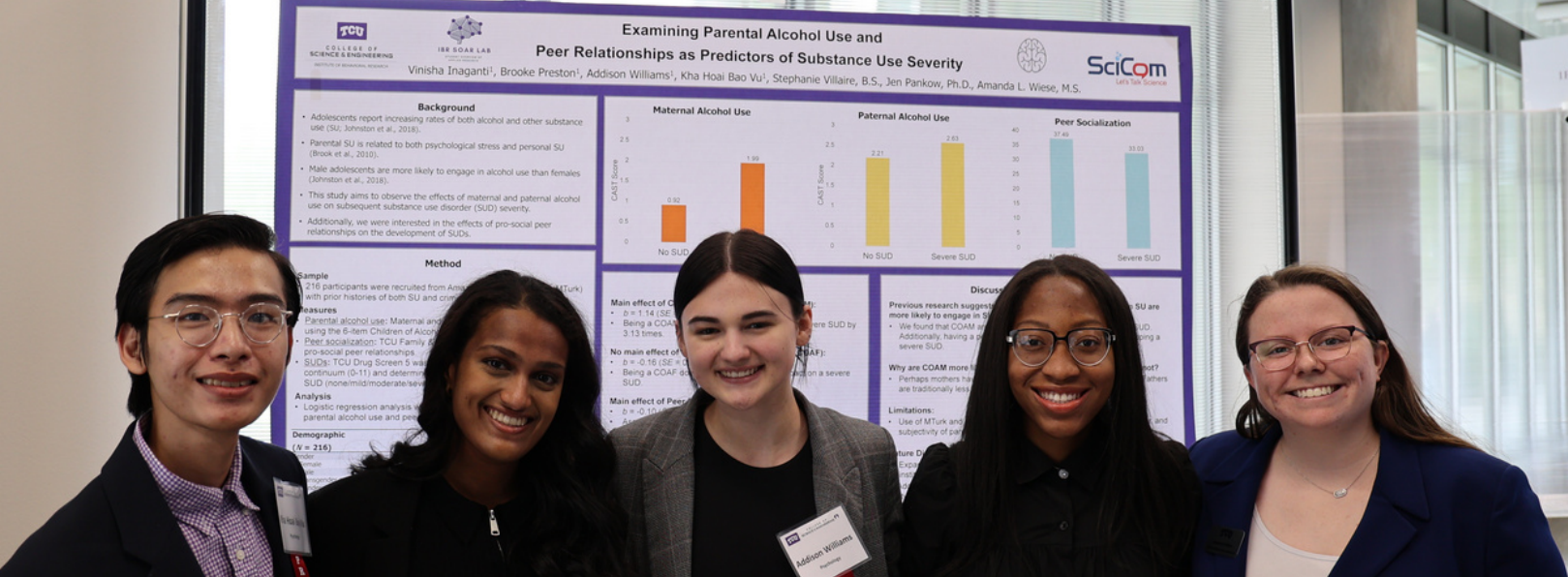




CONNECTING WITH CAMPUS

The IBR functions as a leading research institute at the University. Common research, training goals, and interests have and continue to align the IBR with the Psychology Department. At the IBR, research scientists function much like other university faculty members in that the director is a professor of psychology, and all IBR scientists hold graduate faculty appointments, serve on student thesis and dissertation committees, supervise graduate students, and assist with independent studies.

In addition to supporting 4 IBR graduate stipends, the IBR provides stipends for two collaborative graduate students, Savannah Hastings and Francesca Gentea. In addition to their work with the IBR, Savannah works in Sarah Hill's lab and Francesca is also a part of Cathy Cox's lab.



SOAR CONNECTS ...

The Student Overview of Applied Research (SOAR) Lab is a student organization sponsored by the IBR and facilitated by graduate students for TCU undergraduates interested in learning more about research. Program goals for SOAR include learning about our IBR graduate student program, participating in discussions with experienced researchers, and engaging in activities aimed at preparing students for advanced degrees in experimental psychology. This year the SOAR Lab has added both a campus-wide speaker series and a community engagement aspect to the lab.

The lab features monthly meetings (Tier 1) that are open to all students and a more immersive research opportunity for interested students, available as an independent study/IBR apprenticeship (Tier 2). 2022 also saw the addition of an IBR Internship opportunity (Tier 3). All Tiers provide mentoring opportunities with graduate students and senior researchers.

Tier 1 students experience writing a proposal, collecting data, and analyzing and reporting results. They also present projects at the College of Science and Engineering's annual Student Research Symposium (SRS).

This year the **SOAR lab has over 40 students actively involved in meetings** and 5-6 students serving in Tier 2 or Tier 3 activities. Undergraduate students are not the only ones connected through SOAR, but our current graduate students have the opportunity to lead and mentor through research projects.



IBR SOAR LAB

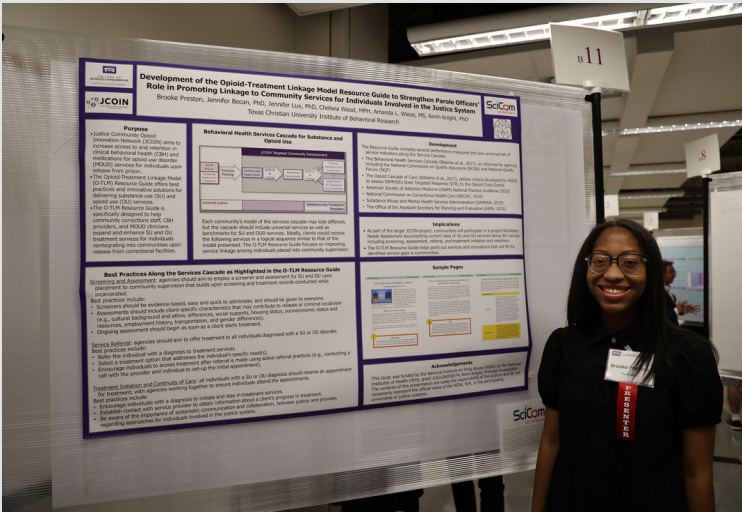
STUDENT OVERVIEW OF
APPLIED RESEARCH

Degree Programs
represented by SOAR
lab students

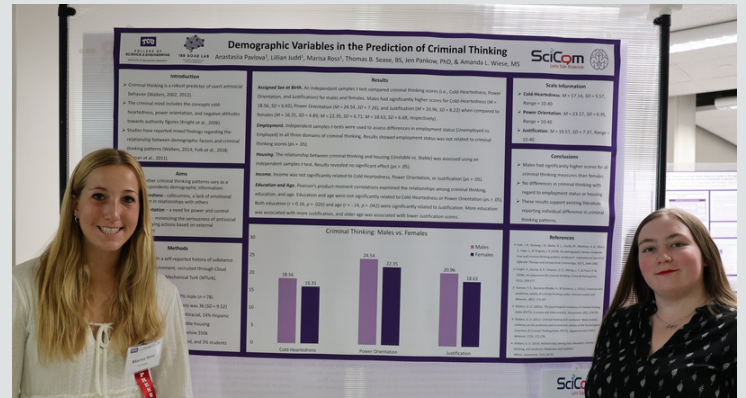
Psychology
Criminal Justice
Political Science
Neuroscience
Biology
Pre-Med
Spanish
Child Development
Business
Writing
Chinese
Nursing
Deaf and Hard of
Hearing Studies



SRS Posters



Left: Undergraduate intern, Brooke Preston, with her SRS poster presentation.
Right: Chancellor Boschini visits with SOAR Lab student Vinisha Inaganti about her poster presentation at the Student Research Symposium (SRS).



Left: Experimental Psychology graduate students (left to right) Thomas Sease, Francesca Gentea, Stephanie Villaire, Lizzie Joseph, Savannah Hastings
Right: Undergraduate students with their SRS poster presentation



SOAR Lab meeting.

A FLOOD OF INSPIRATION

The first day of the fall 2022 semester was marked by a flash flood ...





IBR IN THE MEDIA

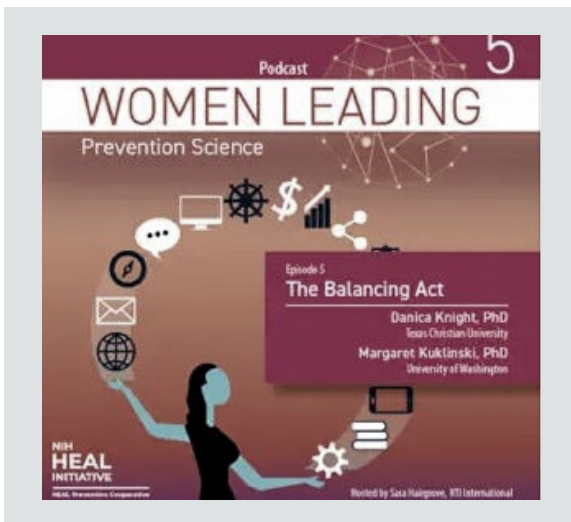
The MHU was included in the new **TCU Brand Anthem** video often shown during televised athletic events, which has increased the IBR's visibility on campus. In addition to being featured in the video, the Mobile Health Unit was highlighted on TCU's official social media channels.

The College of Science and Engineering highlighted the IBR's role in substance use prevention during **National Substance Abuse Prevention Month** this past October.



Watch the Video

Danica Knight was featured in **NIH Heal's Women Leading Prevention Science** podcast. In the episode entitled "The Balancing Act", she, alongside Margaret Kuklinski, discussed balancing work and caregiver roles, as well as the impact of mentors on their professional journey.



Listen Now

Our team has also been hard at work on publications that will be released in 2023! Be on the lookout for full publications.

TCU 360, the student-run magazine, is writing a piece covering the ACTION Project.

TCU's Endeavors magazine's Spring 2023 issue will also contain a piece covering substance use and prevention which will prominently feature the Mobile Health Unit.

TCU Magazine will release a special sesquicentennial issue in 2023 to celebrate 150 years of TCU. This issue of the magazine will include a special piece on the founder of the IBR, Saul B. Sells.



SPREADING THE KNOWLEDGE



2022 PUBLICATIONS:

Belenko, S., Dembo, R., **Knight, D. K.**, Elkington, K. S., Wasserman, G. A., Robertson, A. A., Welsh, W. N., Schmeidler, J., **Joe, G. W.**, & Wiley, T. (2022). Using structured implementation interventions to improve referral to substance use treatment among justice-involved youth: Findings from a multisite cluster randomized trial. *Journal of Substance Abuse Treatment*, 140, <https://doi.org/10.1016/j.jsat.2022.108829>

Fallin-Bennett, A., Tillson, M., Webster, J.M., Oser, C., **Becan, J.E. Knight, K.**, Byard, J., & Staton, M. (2022). Scales for Participant Alliance with Recovery Coach (SPARC): Initial Development and Pilot Test. <https://ssrn.com/abstract=4161551> or <http://dx.doi.org/10.2139/ssrn.4161551>

Joseph, E. D. (2022). Evidence-Based Practices for Juvenile Justice-involved Youth Exposed to Trauma. *IBR Technical Report*.

Knight, D. K., Belenko, S., Dennis, M. L., Wasserman, G. A., **Joe, G. W.**, Aarons, G.A., Bartkowski, J. P., **Becan, J. E.**, Elkington, K. S., Hogue, A., McReynolds, L. S., Robertson, A. A., **Yang, Y.**, & Wiley, T. R. A (2022). The comparative effectiveness of Core versus Core+Enhanced implementation strategies in a randomized controlled trial to improve substance use treatment receipt among justice-involved youth. *BMC Health Services Research*.

Patel, S. V., Cance, J. D., Bonar, E. E., Carter, P. M., Dickerson, D. L., Fiellin, L. E., Fernandes, C. S. F., Palimaru, A. I., Pendergrass Boomer, T. M., Saldana, L., Singh, R. R., **Tinius, E.**, Walton, M. A., Youn, S., Young, S., Philbrick, S., & Lambdin, B. H. (2022). Accelerating Solutions for the Overdose Crisis: an Effectiveness-Implementation Hybrid Protocol for the HEAL Prevention Cooperative. *Prevention Science*, 1-10.

Ridenour, T. A., Cruden, G., **Yang, Y.**, Bonar, E. E., Rodriguez, A., Saavedra, L. M., Hussong, A. M., Walton, M. A., Deeds, B., Ford, J. L., Knight, D. K., Haggerty, K. P., Stormshak, E., Kominsky, T. K., Ahrens, K. R., Woodward, D., Feng, X., Fiellin, L. E., Wilens, T. E., Klein, D. J., & Fernandes, C. (2022) Methodological Strategies for Prospective Harmonization of Studies: Application to 10 Distinct Outcomes Studies of Preventive Interventions Targeting Opioid Misuse. *Prevention Science*. <https://doi.org/10.1007/s11121-022-01412-1>

Sease, T. B., Joe, G., Pankow, J., Lehman, W. E., & Knight, K. (2022). A psychometric reevaluation of the TCU criminal thinking scales (CTS). *Journal of Offender Rehabilitation*, 61(3), 1-13.

Sease, T. B. (2022). Development and testing of the Texas Christian University Criminal Thinking Scales 3.0 (TCU CTS 3.0) (Doctoral dissertation, Texas Christian University).

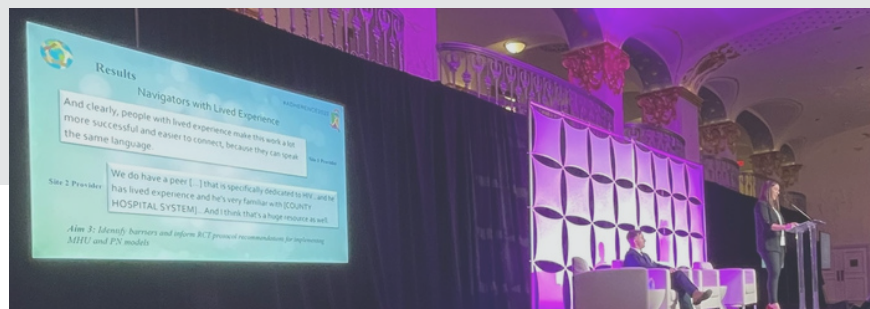
Sease, T., Cox, C. R., & **Knight, K.** (2022). Existential Isolation and Well-being in Justice-Involved Populations. *Frontiers in Psychology*, 7851.

Springer, S.A., Nijhawan, A.E., **Knight, K.**, Kuo, I., Di Paola, A., Schlossbert, E., Frank, C. A., Sanchez, M., **Pankow, J., Proffitt, R. P., Lehman, W.**, Pulitzer, Z., Thompson, K., Violette, S., Harding, K. K., & the ACTION Cooperative Group. (2022). Study protocol of a randomized controlled trial comparing two linkage models for HIV prevention and treatment in justice-involved persons. *BMC Infectious Diseases*, 22, 380. <https://doi.org/10.1186/s12879-022-07354-x>

Wiese, A. L. (2022). 25-year outcomes of an in-prison therapeutic community in Texas (Doctoral dissertation).

Wiese, A.L., Sease, T.B., Knight, D.K., & Knight, K. (2022) Analyses of the TCU drug screen 5: using an item response theory model with a sample of juvenile justice youth, *Journal of Offender Rehabilitation*, DOI: 10.1080/10509674.2022.2128153

2022 PRESENTATIONS:



Examining Parental Alcohol Use and Peer Relationships as Predictors of Substance Use Severity. Authored by **Vinisha Inaganti, Brooke Preston, Addison Williams, Kha Hoai Bao Vu, Stephanie Villaire, Jen Pankow, and Amanda Wiese**, and presented at the TCU Student Research Symposium (April 2022).

Demographic Variables in the Prediction of Criminal Thinking. Authored by **Anastasiia Pavlova, Lillian Judd, Marisa Ross, Thomas B. Sease, Jen Pankow, and Amanda Wiese**, and presented at the TCU Student Research Symposium (April 2022).

Development of the Opioid-Treatment Linkage Model Resource Guide to Strengthen Parole Officers' Role in Promoting Linkage to Community Services for Individuals Involved in the Justice System. Authored by **Brooke Preston, Jennifer Becan, Jennifer Lux, Chelsea Wood, Amanda Wiese, and Kevin Knight**, and presented at the TCU Student Research Symposium (April 2022).

Assessing Recovery Coach Roles and Responsibilities in Substance Use Recovery. Presentation at the College on Problems of Drug Dependence (CPDD). Authored by **Matt Webster, A. Fallin-Bennett, M. Tillson, Carrie Oser, Jennifer Becan, Kevin Knight, & M. Staton**. Presented at the Annual Meeting, Minneapolis, MN (June 2022).

Identifying Service Gaps and Needs along the Substance Use, HIV, and HCV Continuum of Care for People in the Justice System: A Mixed Methods Approach. Authored by **Thomas Sease, Stephanie Villaire, Angela Di Paola, Mark Sanchez, Zoe Pulitzer, Laura Hansen, Ralph Brooks, Cindi Frank, Ank Nijhawan, Sandra Springer, Jen Pankow, Ahrein Bennett, Jarrod Nelson, Randi Proffitt, Kevin Knight**. Presented at the Fast Track Cities Conference (September 2022).

Effectiveness from follow-up outcomes of eight substance abuse treatment programs in Greece. Authored by **Kevin Knight, Danica Knight, Gerasimos Papanastasiatos, Angeliki Koutsoukou, Elena Bardi, Demetrios Georgakopoulos, Vicky Kafetzaki, and Antonia Anastassiadou**. Presented at the Lisbon Addictions Conference (November 2022).

Justice Community Innovation Network (JCOIN): A system level implementation intervention to improve justice-health service linkage. Authored by **Jennifer Becan, David Olson, Noah Painter-Davis, Jenni Lux, & Lori Ducharme**. Presented at the Panel Presentation at the American Society of Criminology (ASC), Atlanta, GA. (November 2022).

Application of the EPIS Framework to Inform Timing and Measurement of a System-level Implementation Intervention. Authored by **Jennifer Becan, Danica Knight, Noah Painter-Davis, David Olson, & Kevin Knight**. Presented at the American Society of Criminology (ASC), Atlanta, GA. (November 2022).

Factors that Increase Successful Matriculation through Post-Prison Treatment. Authored by **David Olson, Jennifer Becan, Noah Painter-Davis, Danica Knight, & Kevin Knight**. Presented at the American Society of Criminology (ASC), Atlanta, GA. (November 2022)

Establishing Interagency Workgroups for Reducing Opioid Use: An Observational Study from the Justice Community Opioid Innovation Network TCU Hub. Authored by **Noah Painter-Davis, Neil Greene, Jennifer Becan, Roberta Chavez, Amber Martinez, Rena Quintana, Rosemarie Armijo, Jenni Lux, Pam Carey, Dona Howell, David Olson, Danica Knight, & Kevin Knight**. Presented at the American Society of Criminology (ASC), Atlanta, GA. (November 2022)

Standard Practices of Screening, Assessment, Prevention, and Treatment for Substance Use for Adults on Community Supervision: JCOIN Agency Survey Results. Authored by **Jenni Lux, Jennifer Becan, Noah Painter-Davis, Pam Carey, Dona Howell, Amanda Wiese, Noah Painter-Davis, David Olson, Danica Knight, & Kevin Knight**. Presented at the American Society of Criminology (ASC), Atlanta, GA. (November 2022)

Implications for How to Assess Service Continuity and Collaboration within Multi-sector Systems: A Strategy to Explore Multi-sector System Needs for Clinical Care Implementation. Authored by **Jennifer Becan, Amanda Wiese, Chelsea Wood, Jenni Lux, Noah Painter-Davis, David Olson, Danica Knight & Kevin Knight**. Poster presented at the 15th Annual Conference on the Science of Dissemination and Implementation in Health, Washington DC. (December 2022).



2022



OUR TEAM

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Wayne E. K. Lehman, PhD
Jennifer Edwards Becan, PhD
Jennifer Pankow, PhD, CADC
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Lillyan Shelly, BBA
Stephanie Villaire, BS
Savannah Hastings, BS
Francesca Gentea, BA

Undergraduate Intern

Brooke Peterson

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Impact of Health & Justice Research on Practice & Policy April 17 - 18, 2023 Fort Worth, TX

A conference celebrating 60 years of
the Institute of Behavioral Research



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