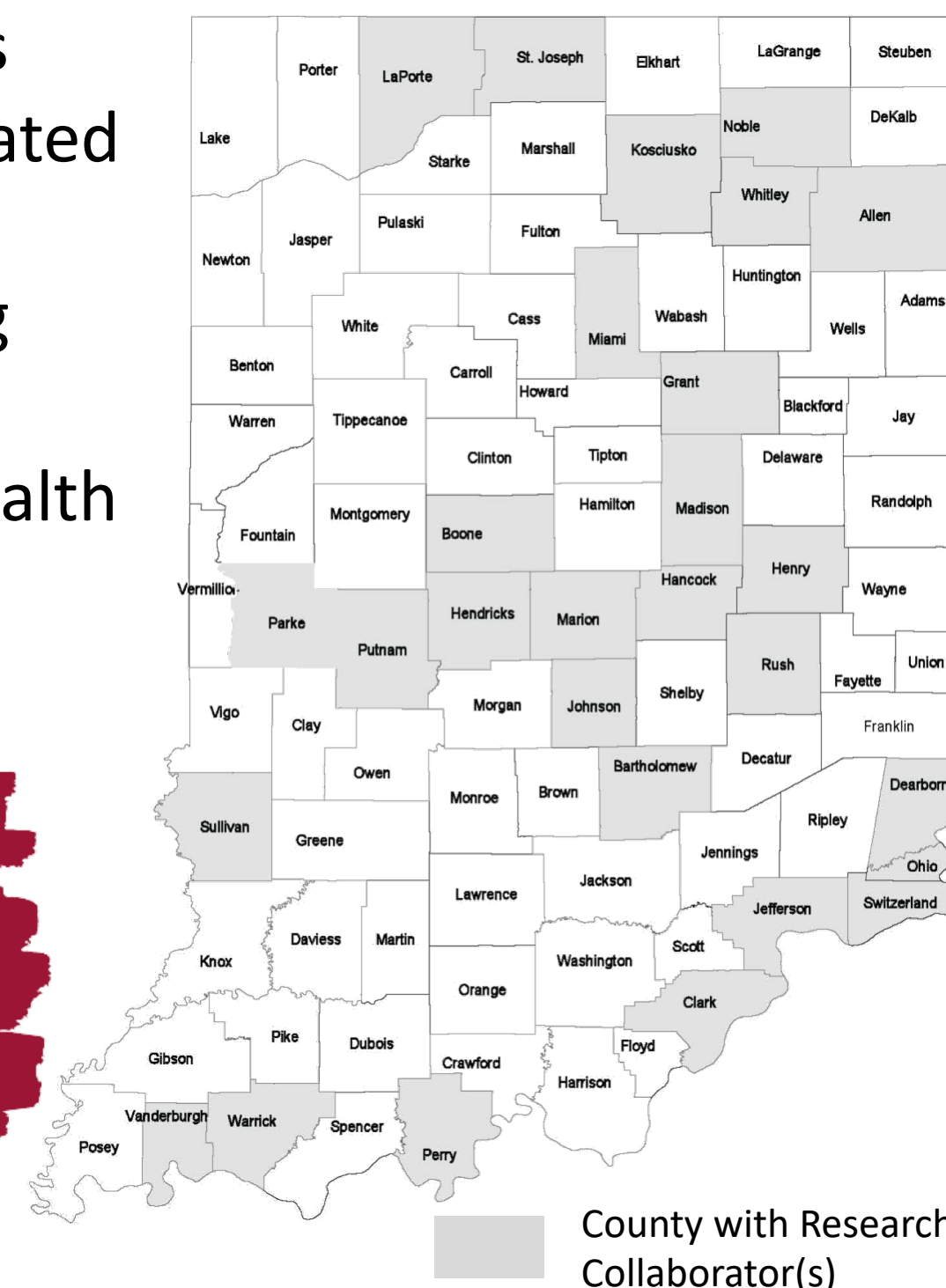


USING A MIXED-METHODS DESIGN TO IDENTIFY SERVICES THAT IMPACT NON-FATAL AND FATAL OVERDOSE EVENTS

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Background

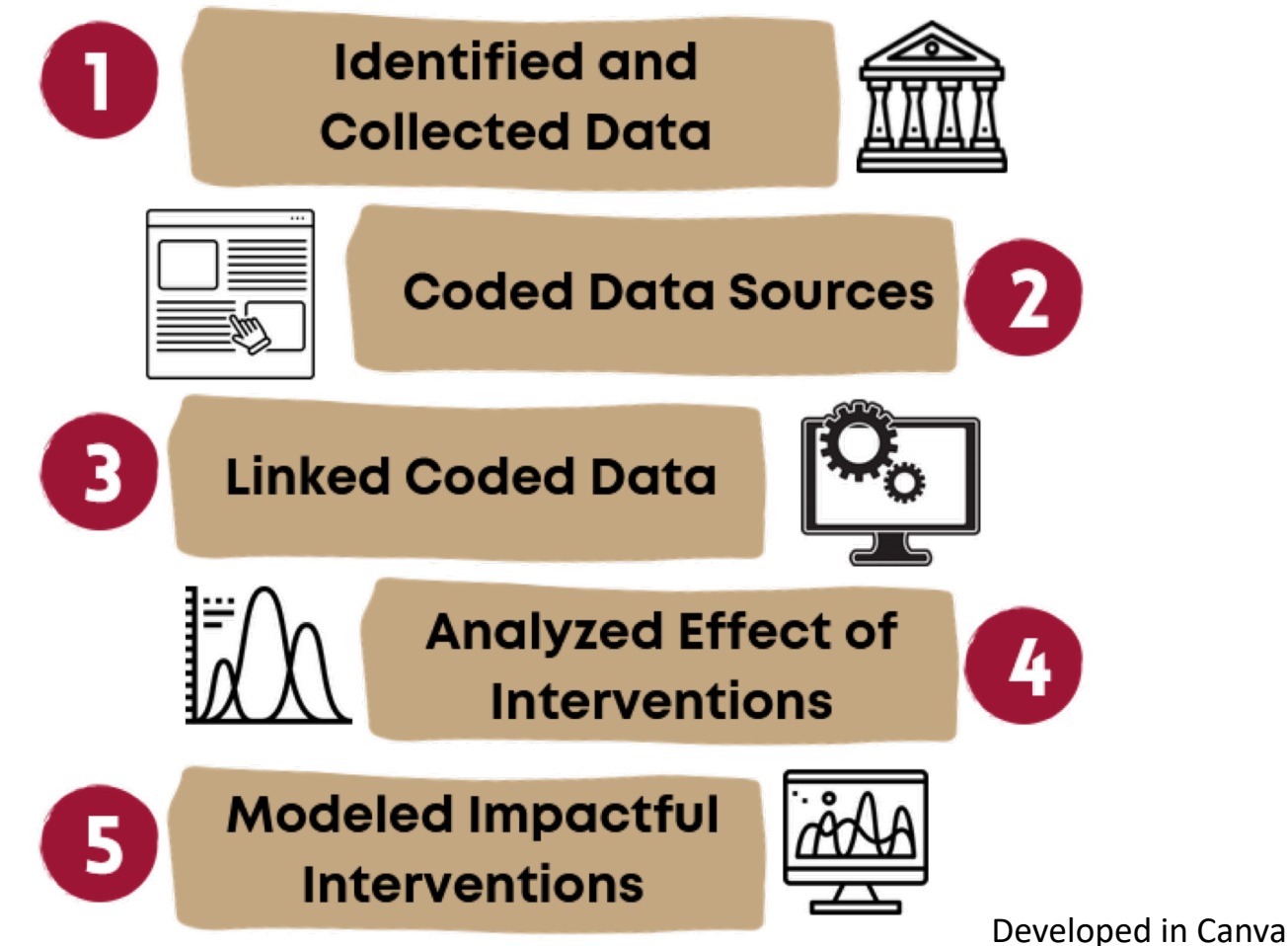
- In 2020, there were 68,630 opioid-involved overdose deaths nationally and 1,828 in Indiana
- 42.52% of the adult offenders in Indiana correctional facilities have at least 1 drug offense (July 2021)
- Individuals arrested for drug misuse can be sentenced to correctional facilities or participate in problem solving courts (PSCs)
- PSCs refer arrested individuals to treatment as a pre-trial diversionary strategy
- 29 Indiana PSCs and 17 correctional facilities in 28 counties were Research Collaborators
- Types of PSCs that collaborated included:
 - Adult Drug
 - Family
 - Mental Health
 - Re-Entry
 - Veterans



Study Period
01/01/2018 - 06/30/2021

Research Question

How do interventions given to individuals sentenced for drug misuse impact morbidity and mortality?



Identified and Collected Data

- Data sources included: interviews of assistant/deputy wardens, PSC team members, and service providers; court documents; observations of PSC proceedings; handbooks; and, sentencing data

Coded Data Sources

- Codebooks were developed
- Interviews were transcribed *verbatim*
- Qualtrics was used to code data
- Inter-rater reliability was calculated
- NVivo was used to identify themes

Linked Coded Data

- Coded data was linked to existing datasets housed at the Indiana's Management Performance Hub, including:
 - PSC participant records
 - Sentencing records
 - PDMP prescription information
 - Emergency department visits
 - Inpatient hospitalizations
 - EMS calls
 - Deaths
- Linked data were de-identified

Analyzed Effect of Interventions

- Difference in Difference analysis compared changes in outcomes over time between the individuals in correctional facilities (control group) and those participating in PSC programs (experimental group)
- Time to Event analysis compared what happened to individuals 2 weeks, 4 weeks, 6 months, and 1-year post-release from correctional facilities or PSC programs

Modeled Impactful Interventions

- Impactful interventions were integrated into a model to create visualizations of how they would impact communities not currently utilizing such services

Challenges

- The COVID-19 pandemic significantly impacted operations in Indiana's courts which delayed collaboration with PSCs
- PSC participant records are privileged under Indiana law and permission to access records was required from the Indiana Office of Court Services
- The COVID-19 pandemic impacted the types and frequency of programs

Future Directions

- Future research opportunities include examining interventions offered post program release and studying juvenile court interventions.

Additional Information

Scan the QR code to access references and additional materials.

Contact Elizabeth Van Nostrand at evannostrand@temple.edu with any questions.



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