

Do individuals who complete treatment court programs have better health and societal outcomes than those who are eligible but do not enter a program?

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Funding

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Collaborations with PADOH

- OD2A Pennsylvania Prescription Drug Monitoring Program Evaluation
- Workforce Development Plan
- Grant Writing
- Mid-Atlantic Regional Public Health Training Center
- Prescription Drug Monitoring Program Project
- Pennsylvania Public Health Law Bench Book



What is "Legal Epidemiology?"

- The scientific study and deployment of law as a factor in the cause, distribution, and prevention of disease and injury in a population
- Transdisciplinary



Legal Epidemiology Encompasses

- Legal Etiology
- Legal Prevention and Control
- Policy Surveillance





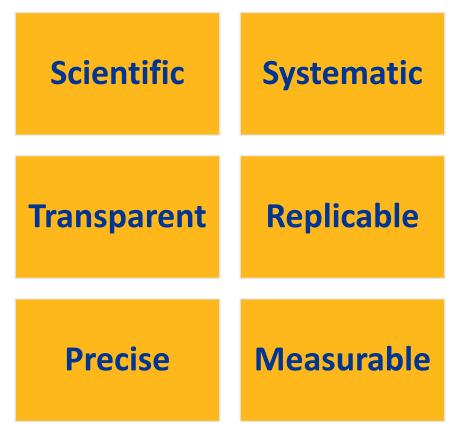
Legal Epidemiology in Practice

- Engage
- Identify research needs
- Create legal data
- Analyze
- Translate
- Monitor and repeat





Legal Epidemiology





Research Grants to Identify Effective Strategies for Opioid Overdose Prevention



CENTERS FOR DISEASE' CONTROL AND PREVENTION

Centers for Disease Control

National Center for Injury Prevention and Control Extramural Research Program Office

Research Grants to Identify Effective Strategies for Opioid Overdose Prevention RFA-CE-19-002 Application Due Date: 04/08/2019



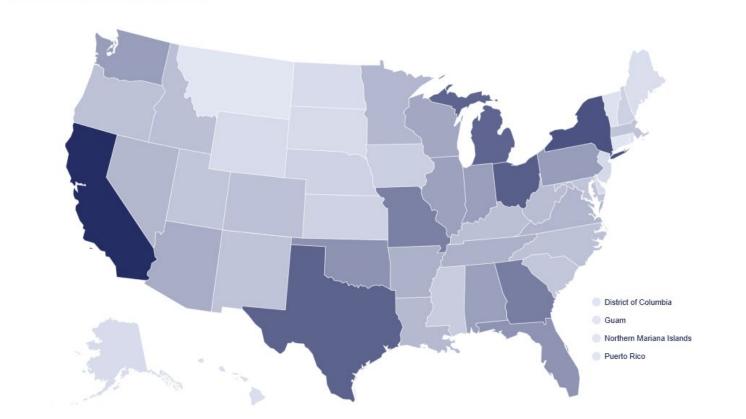
Original Problem Statement

Do individuals who complete treatment court programs have better health and societal outcomes than those who are eligible but do not enter a program?



What are "Treatment Courts?"

Treatment Courts by State/Territory

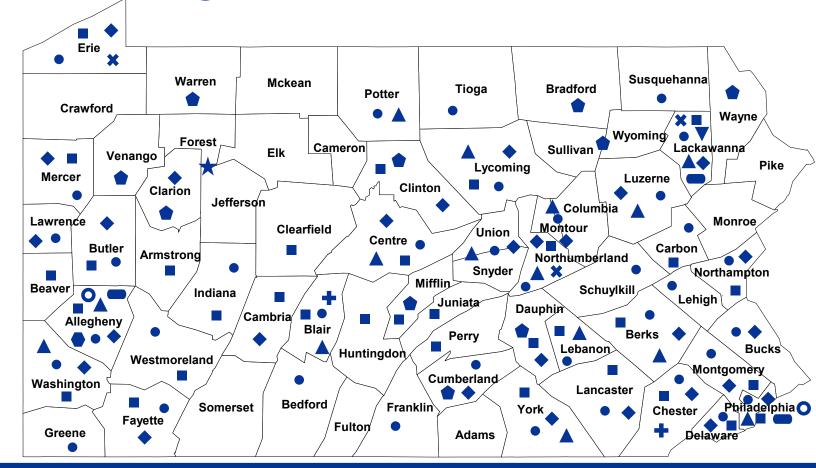


US Treatment Courts

Court Type	Court Count
Adult Drug	1826
Hybrid Drug/DUI	364
DUI/DWI	308
Adult Co-occurring Disorder	44
Family Treatment	383
Adult Mental Health/Wellness	655
Opioid	36
Adult Reentry	61
Veterans Treatment	552
Juvenile Drug Treatment	261
Juvenile Co-occurring Disorder	9
Juvenile Mental Health/Wellness	60
Juvenile Reentry	2
Community	58
Total	4255



Pennsylvania's Treatment Courts



- Drug Court
- ★ Treatment Court
- Recovery Drug Court
- Adult Drug/DUI Hybrid Court
- ▲ DUI Court
- Family Drug Court
- Adult Mental Health Court
- Co-Occurring Court
- Veterans Court*
- Domestic Violence Court
- Sexual Offense Court
- Prostitution Court

* Veterans Court is a regional court in Blair, Centre, Clearfield, Clinton, Huntington, Juniata, Mifflin & Perry



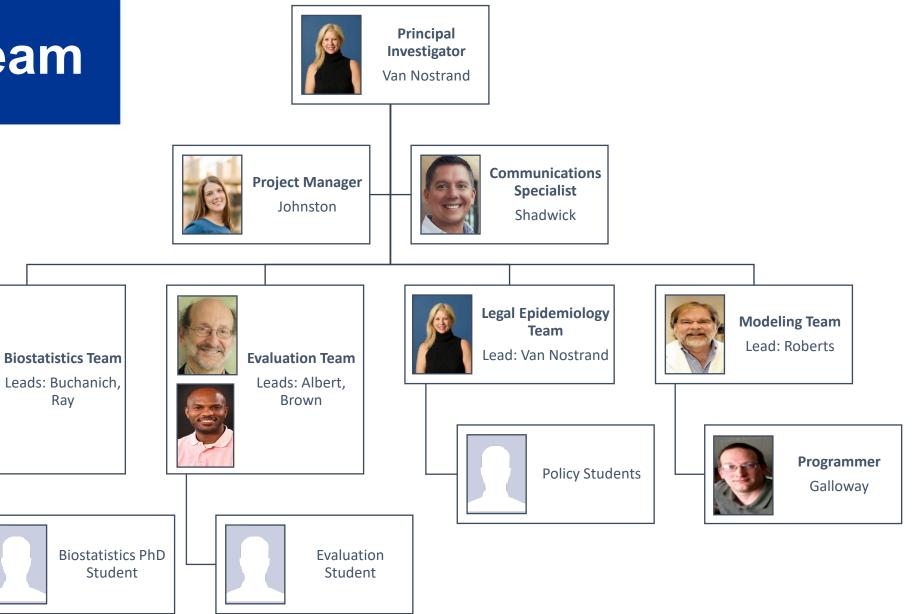
Treatment Court Standards



Definitive guidance for treatment court practitioners







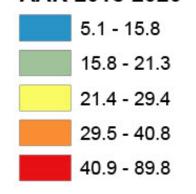


Stakeholder Committee

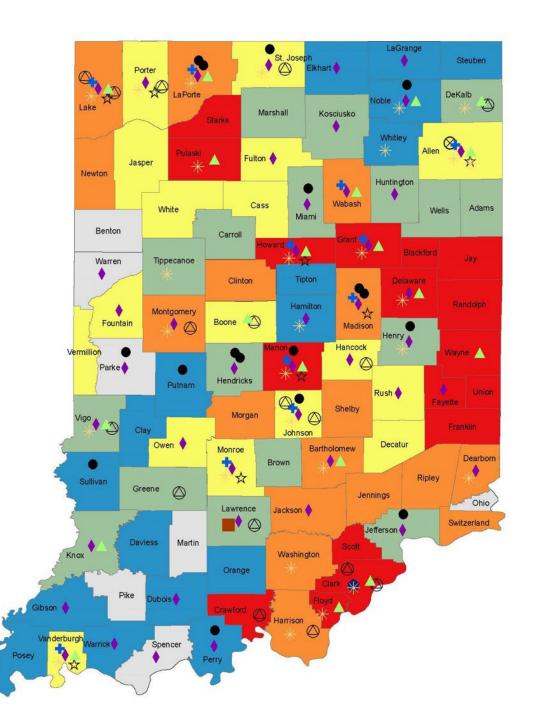
	Barbara Andraka- Christou, JD, PhD <i>University of Central</i> <i>Florida</i>	Donald B Univer Pittsk	sity of	Clea Dearborr	nathan N. ry, JD n <i>Superior</i> rt #1	LN Indiar Depar	lowell, MA, /IHC na State tment of alth	
	Mary Kay Hudson, MSW Indiana Office of Court Services	Ind Depart	R. Hunt iana ment of ection	Michael A. H MD, FACEI Indiana Dep Homeland	P, FAEMS	Dougl Marlowe, Natio Association Court Prof	JD, PhD onal n of Drug	
М	M Temple L College	verman, JD, PH Iniversity of Public alth		Ward, BA <i>ity Advocate</i>	David B. W George Unive			

Drug Overdose Rates and Treatment Court Locations in Indiana

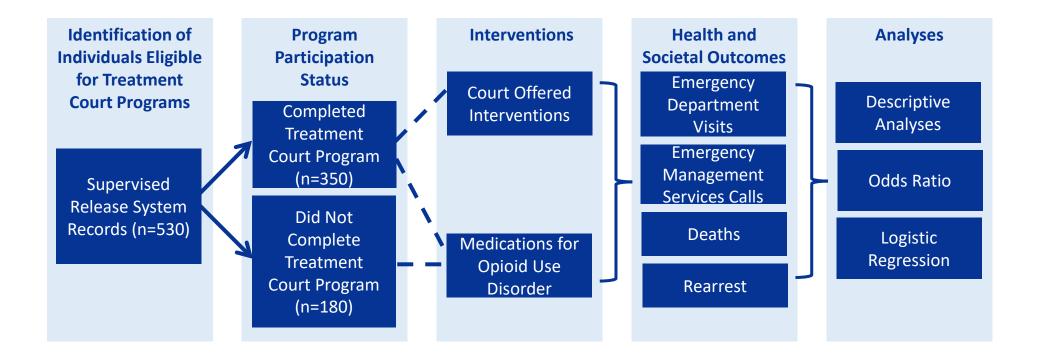
Overdose Mortality AAR 2016-2020



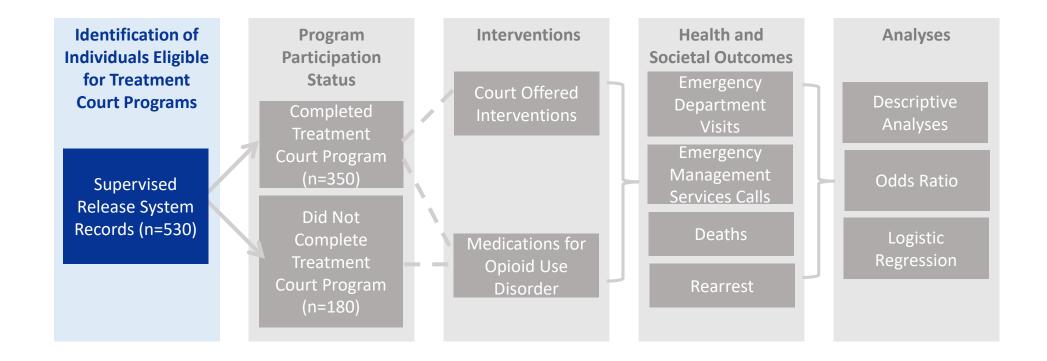
Date: 2/14/2022



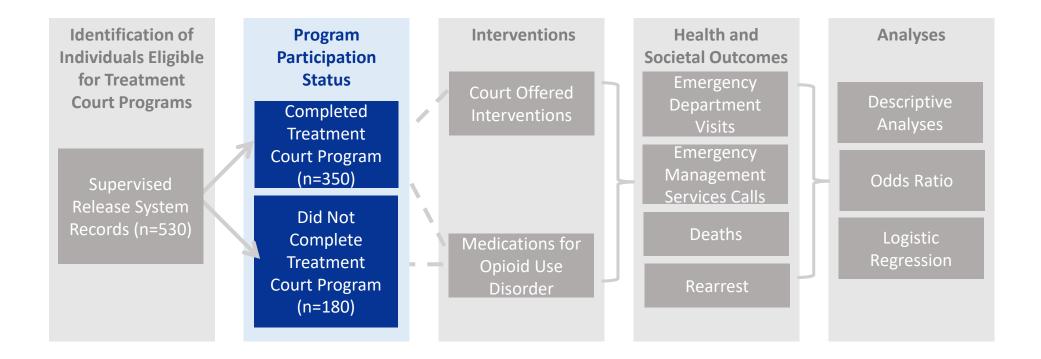




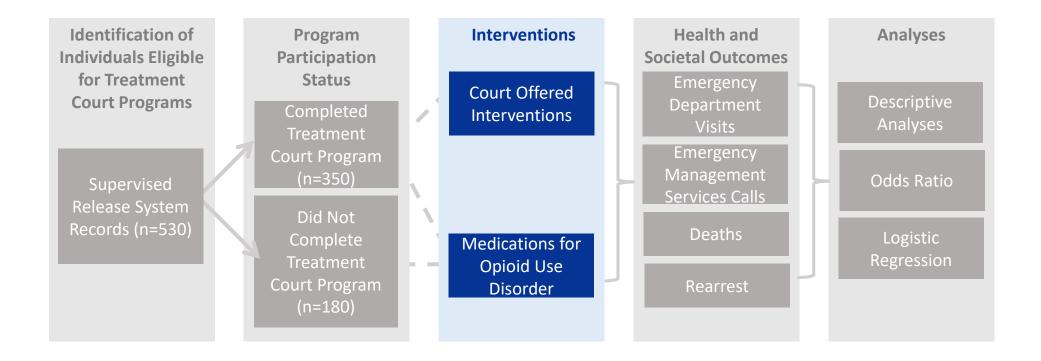














Coding

40. Are participants referred to substance abuse counseling?

Yes	41. Are participants referred to substance abuse education?
No	Yes
Other (Please Specify)	No
	Other (Please Specify)
40.1. Is substance abuse counseling mandatory for participants?	
Yes	50. Does the problem-solving court refer participants to any of the following
No	services? (select all that apply)
Unknown	Financial Counseling
Other (Please Specify)	Employment/job skills training or placement
	Disability Services
40.2. Are substance abuse counseling sessions conducted individually?	Religion-based services
Yes	Life Skills classes
No	Unknown

Other (Please Specify)

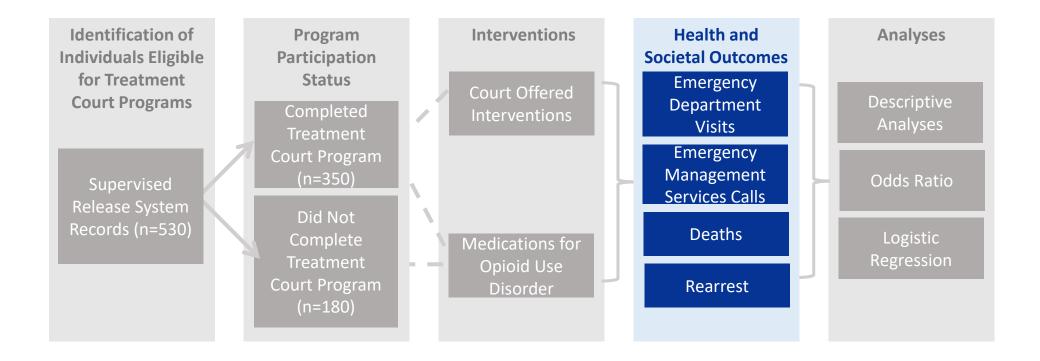
Unknown

55. Does the problem-solving court offer incentives for compliance with treatment?

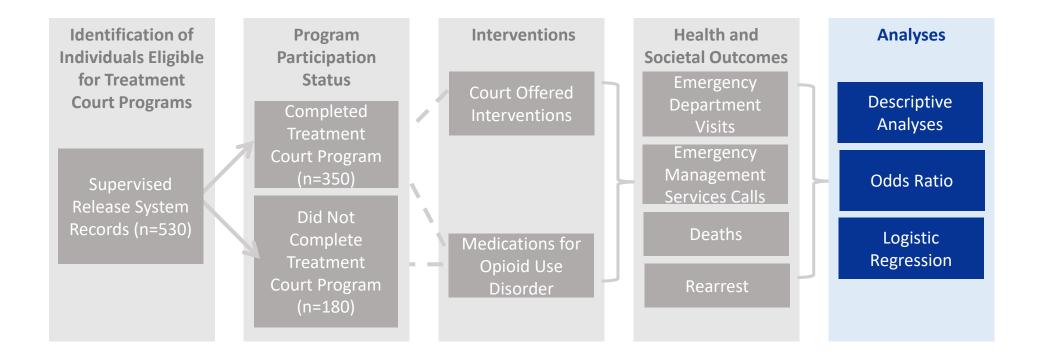
Yes	
No	
Other	(Please Specify)
55.1. V	Vhat incentives are offered? (select all that apply)
Prais	e from judge/court
Certif	ficates of achievement
Movie	e-event tickets
Vouc	her assistance
Later	r curfew
Prom	notion to next phase
Waive	er of drug screening fees
Gift C	Cards
Unkn	IOWN
Other	r (Please Specify)



Other (Please Specify)









Participants by Court Type

Court Type	Study Cohort (n-530)	Eligible and Completed (n=350)	Eligible but did not Enter (n=180)
Adult drug and "Other"	272	226	40
Veterans	29	28	1
Mental Health	153	17	136
Re-Entry	82	79	3



Demographic Characteristics

Characteristic	Eligible and Completed Treatment Court – (n=350)	Eligible but did not Complete Treatment Court (n=180)	Prison Population in Indiana
Median age	32	34	38
% male	79	59	90.5
% female	21	41	9.5
% black	18	39	34
% white	79	57	61



Pharmaceutical Interventions

Pharmaceutical Interventions	Percentage
Individuals in the study cohort with prescriptions in the PDMP	63%
Individuals with prescriptions in the PDMP who completed a treatment court program	69%
Individuals with prescriptions in the PDMP who did not participate in a treatment court program	31%
Individuals with an MOUD prescription in the PDMP	42%
Individuals with an MOUD prescription in the PDMP who completed a treatment program	45%
Individuals with an MOUD prescription in the PDMP who did not participate in a treatment court program	35%



Non-Pharmaceutical Interventions

Non-Pharmaceutical Intervention	Percentage of Courts Offering the Intervention
Cognitive and Behavioral Therapy (CBT)	86.6%
Support Groups	80.0%
Trauma Counseling	80.0%
Anger Management	80.0%
Substance Education	73.3%
Alcoholics Anonymous Group Meetings	73.3%
Narcotics Anonymous Group Meetings	73.3%
Illicit Drug Testing	66.6%
Inpatient Treatment Home Visits	53.3%
Home Visits	40%
Mandatory Substance Counseling	13.3%



Outcomes

Outcome	Overall Odds Ratio and 95%Cl
Death	0.17 (0.07, 0.42)
Emergency Department Utilization	0.66 (0.36-1.19)
Emergency Management Services Utilization	0.17 (0.11, 0.26)
Emergency Management Services Utilization for Drug Use	0.26 (0.17, 0.38)
Emergency Services Utilization with Naloxone	0.60 (0.36, 0.97)
Re-Arrest	0.07 (0.04, 0.11)



Original Problem Statement

Do individuals who complete treatment court programs have better health and societal outcomes than those who are eligible but do not enter a program?

YES (at least in our study)!



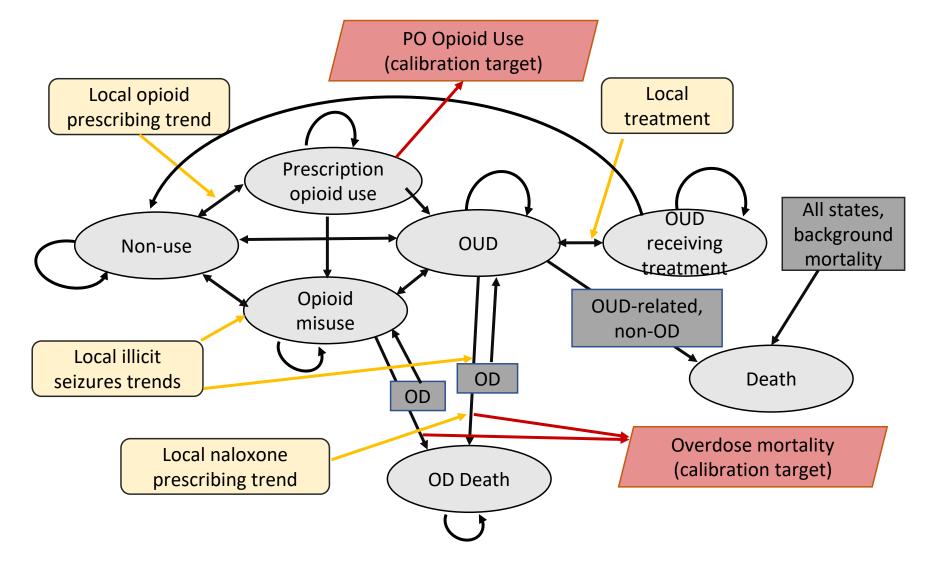
Limitations

- Sample size
- Selection bias
- Intervention utilization
- Generalizability





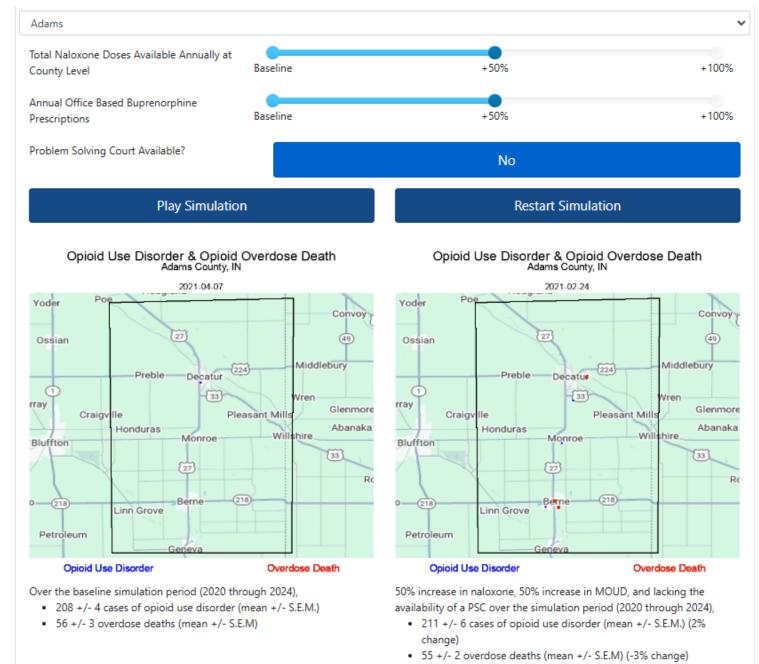
Modeling Opioid Use Disorder





Model

https://fred.publichealth.pitt.edu/psc







Visit https://sites.temple.edu/pscproject/resources/

or scan below





What's Next?

- Expand study to other jurisdictions
- Look at other outcomes
- Focus on juvenile treatment courts
- Compare treatment court participation v. incarceration
- Use methodology to explore other topics
- Add a qualitative study
- Conduct an economic analysis
- Other ideas?





sites.temple.edu/pscproject PSCproject@temple.edu

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