

RESEARCH FINDINGS

An Outcome Evaluation of the Seattle DVIP

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BACKGROUND

External Evaluation Partners

Researchers from the University of Nebraska Omaha and University of Washington began working with DVIP in 2019

PHASE I · 2022–2024

Formative Evaluation & Evaluability Assessment

Funded by the U.S. Department of Justice Office on Violence Against Women (#5JOVW-21-GG-02488-MUMU)

RESEARCH ACTIVITIES

- Document review
- Focus groups
- Observations
- File reviews
- Data review

KEY FINDINGS

- DVIP program theory aligns with the program as implemented
- DVIP will likely produce positive results as currently applied
- Data availability and partner collaboration make an outcome evaluation highly feasible

BACKGROUND

External Evaluation Partners

PHASE II · DESIGNED 2024

Outcome Evaluation – the Current Study

This project is supported by #15JOVW-24-GG-01527-MUMU, awarded by the U.S. Department of Justice Office on Violence Against Women

The opinions, findings, conclusions, and recommendations expressed in this document are those of the author and do not necessarily reflect the views of the U.S. Department of Justice or the Office on Violence Against Women.

CURRENT STUDY

An outcome evaluation of DVIP comparing DVIP participants to a similarly situated control group

EVALUATION TIME PERIOD

Individuals sentenced to probation between April 2018 and June 2023, and whose probation periods ended (or who were on warrant) by July 31st, 2025

TREATMENT GROUP

n = 365 probationers court-ordered to DVIP

VS

CONTROL GROUP

n = 308 probationers not court ordered to DVIP but who would otherwise be eligible

SAMPLE

Treatment & Control Groups

Probation Control Group (n = 308)

n = 308 (100%)
Court ordered to probation
without DVIP

n = 191 (62.0%)
Completed all
obligations

DVIP Treatment Group (n = 365)

n = 365 (100%)
Court ordered to DVIP

n = 258 (70.7%)
Completed
assessment

n = 214 (82.9%; 58.6%)
Enrolled & completed ≥1
session

n = 160 (74.8%; 43.8%)
Completed DVIP

DVIP Termination Reasons

54 participants (25.2% of those enrolled) were terminated from DVIP

53.7% (n=29) Terminated due to absences	31.5% (n=17) Committed a new, non-DV offense	25.9% (n=14) Committed a new DV offense
9.3% (n=5) On hold pending substance use/mental health evaluation	7.4% (n=4) Positive urinalysis	50.0% (n=27) Other reasons (e.g., noncompliance with probation/other obligations, not completing homework, not amenable to programming)

NO participants were terminated for failure to pay fees

Note: DVIP participants could be terminated for multiple reasons

METHODS

Stages of Outcome Evaluation Analysis

***Research question:** Does DVIP (+ probation) completion reduce recidivism compared to probation without DVIP?*

1

Bivariate Significance Testing

Identify meaningful differences between the control and treatment groups. Significant variables were included in the final model to control for these differences.

2

Visual Examination of Recidivism

Confirm whether a relationship appears between DVIP treatment and recidivism outcomes, justifying further modeling.

3

Binomial Logistic Regression

Examine how multiple factors relate to the likelihood of an outcome, controlling for key variables to assess DVIP's impact on recidivism with greater confidence.

Three models:

- (1) DV recidivism
- (2) Non-DV, other violent recidivism
- (3) Non-violent recidivism

METHODS

Variables Collected for Treatment & Control Groups

FROM NATIONAL CRIME INFORMATION CENTER (NCIC) DATABASE

- 12-month recidivism (key outcome variable)
- Criminal history length and types of offenses (up to 15)

FROM SEATTLE MUNICIPAL COURT / PROBATION RECORDS

- Obligation closure status
- Length of obligation period
- Other obligations (mental health, substance use)
- Index offense type (triggering case)
- Race and age
- Employment
- Indigency status
- Cohabitation or marriage with victim at time of incident
- Defendant dependent children

SAMPLE

Comparing Treatment & Control Groups: Demographics/Background

	Treatment Group (DVIP)	Control Group
Has Dependent Child(ren)*	36.2%	27.3%
Indigent*	52.9%	83.4%
Employed	45.5%	42.5%
Married at Time of Incident	21.6%	18.2%
Cohabiting at Time of Incident	31.8%	39.3%
Age at Obligation Start	Median: 34; Average: 36	Median: 35; Average: 37
Race / Ethnicity		
Another Race	2.7%	1.9%
Asian / Pacific Islander	9.9%	5.8%
Black	28.2%	29.9%
Hispanic	6.3%	0.0%
White	50.4%	51.0%

* Indicates significant difference between groups at p < 0.05 level

SAMPLE

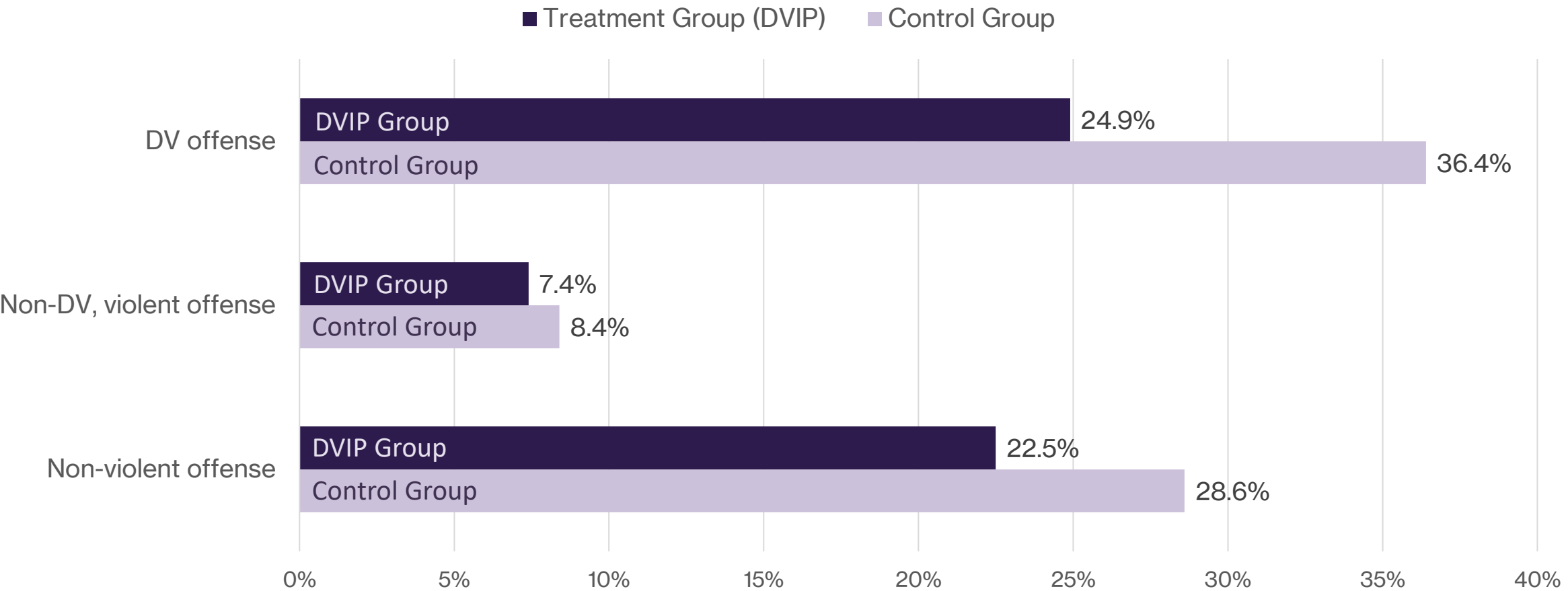
Comparing Treatment & Control Groups: Criminal History & Obligations

	Treatment Group (DVIP)	Control Group
Has a Juvenile Record	25.8%	24.0%
Index Offense*		
Assault	62.7%	54.9%
Violation of DVPO	31.8%	31.8%
Other Offense (e.g., stalking)	5.5%	13.3%
Length of Criminal History (years)*	Median: 7.0; Average: 10.6	Median: 9.7; Average: 12.3
Number of Prior DV Offenses*	Median: 1.0; Average: 2.0	Median: 1.0; Average: 1.5
Number of Non-DV Offenses	Median: 3.0; Average: 4.4	Median: 2.0; Average: 4.3
Length of Obligation (months)*	Median: 19.8; Average: 20.0	Median: 14.9; Average: 15.7
Additional Mental Health Obligation*	10.4%	40.9%
Additional Substance Abuse Obligation*	19.2%	57.5%
Obligation Closure Status: did not complete*	43.8% completed	62.0% completed
Revoked	25.8%	15.9%
Stricken	17.8%	13.6%
Warrant	12.6%	8.4%

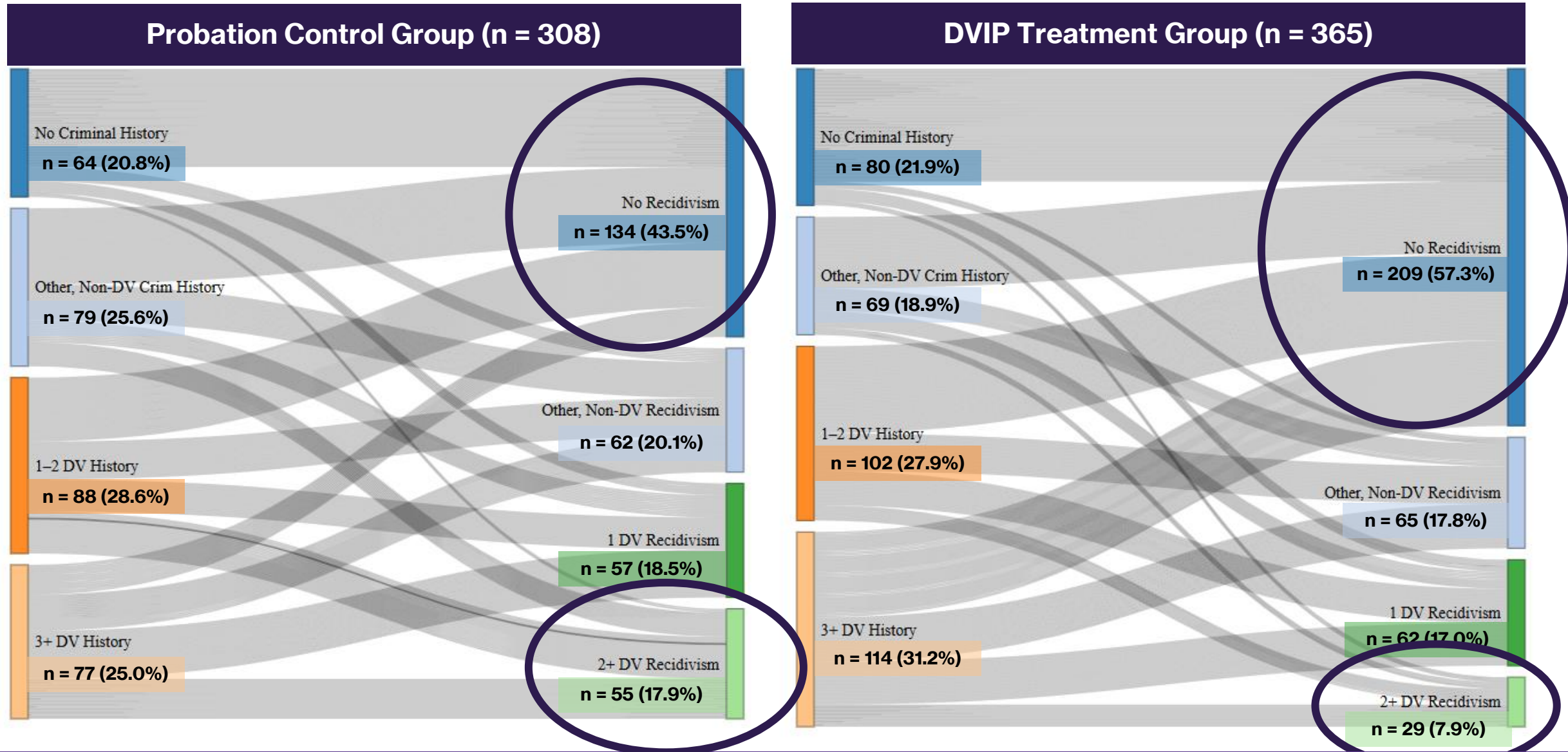
* Indicates significant difference between groups at $p < 0.05$ level

OUTCOMES

Comparing Treatment & Control Groups: Recidivism Outcomes in 12 Months Post-Obligation End Date



Comparing Treatment & Control Groups: Criminal History Pathways to Recidivism



FINDINGS

Outcome 1 - DV Recidivism Model

Compared to probation completion alone, DVIP completion was associated with lower odds of DV recidivism

52%

lower odds of DV recidivism for DVIP completers vs. probation-only completers

Factors associated with lower DV recidivism:

- **Completing court-ordered obligations** was associated with reduced odds of DV recidivism compared to having obligations revoked

Factors associated with higher DV recidivism:

- **Committing a DVPO violation as the index offense** was associated with increased odds of DV recidivism compared to those charged with assault

FINDINGS

Outcomes 2 & 3 - Non-DV Recidivism Models

OUTCOME 2 - NON-DV, VIOLENT RECIDIVISM MODEL

Only the number of non-DV criminal history offenses (i.e., having more non-DV offenses in criminal history) was significantly related to **increased odds** of non-DV violent recidivism

OUTCOME 3 - NON-VIOLENT RECIDIVISM MODEL

Similar results to the DV recidivism model:

- Completing DVIP **reduced odds** of non-violent recidivism compared to probation only
- Other significant variables: Completing obligations **reduced odds** and having more non-DV offenses in criminal history **increased odds** of non-violent recidivism

KEY TAKEAWAYS

DVIP completion reduces DV recidivism and non-violent crime recidivism compared to probation completion alone

KEY TAKEAWAYS

No participants terminated from DVIP for failure to pay fees

NEXT STEPS

Thank You

Scan the QR code to view the full study description on website for the Victimology and Victim Studies Research Lab (VVSRL) at the University of Nebraska at Omaha School of Criminology and Criminal Justice

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Logistic Regression Predicting DV Recidivism

	Estimate	SE	Odds Ratio	95% CI
Completed DVIP	-0.73 **	0.24	0.481 ↓	0.300 – 0.768
Obligation Status: Revoked	0.84 **	0.26	2.309 ↑	1.383 – 3.867
Obligation Status: Stricken	0.35	0.28	1.425	0.814 – 2.466
Obligation Status: Warrant	0.58	0.32	1.788	0.941 – 3.343
Defendant has Dependent Children	0.13	0.20	1.137	0.769 – 1.674
Defendant Indigent	0.14	0.22	1.154	0.744 – 1.800
Mental Health Obligation	0.29	0.22	1.333	0.856 – 2.067
Substance Abuse Obligation	0.15	0.21	1.159	0.773 – 1.732
Index Event: Other Offense	0.04	0.33	1.041	0.537 – 1.949
Index Event: Violation of DVPO	0.46 *	0.22	1.577 ↑	1.030 – 2.412
Number of DV Offenses in Crim. History	0.07	0.05	1.070	0.978 – 1.171
Number of non-DV Offenses in Crim. History	0.00	0.02	1.005	0.960 – 1.051
Days in Obligation	0.00 **	0.00	1.001 ↑	1.000 – 1.001
Intercept	-1.88 ***	0.31	0.153	0.082 – 0.278

* $p < .05$ ** $p < .01$ *** $p < .001$

Logistic Regression Predicting Non-DV Violent Recidivism

	Estimate	SE	Odds Ratio	95% CI
Completed DVIP	0.04	0.41	1.042	0.465 – 2.337
Obligation Status: Revoked	-0.16	0.45	0.852	0.343 – 2.048
Obligation Status: Stricken	0.22	0.45	1.250	0.499 – 3.000
Obligation Status: Warrant	0.58	0.51	1.791	0.633 – 4.695
Defendant has Dependent Children	-0.05	0.35	0.950	0.466 – 1.856
Defendant Indigent	0.33	0.41	1.387	0.634 – 3.230
Mental Health Obligation	0.04	0.39	1.038	0.472 – 2.190
Substance Abuse Obligation	0.25	0.36	1.281	0.634 – 2.568
Index Event: Other Offense	0.62	0.50	1.853	0.636 – 4.730
Index Event: Violation of DVPO	0.11	0.36	1.117	0.542 – 2.281
Number of DV Offenses in Crim. History	-0.05	0.08	0.948	0.800 – 1.105
Number of non-DV Offenses in Crim. History	0.15 ***	0.04	1.162 ↑	1.084 – 1.247
Days in Obligation	0.00	0.00	1.000	0.999 – 1.001
Intercept	-3.65 ***	0.57	0.026	0.008 – 0.076

* $p < .05$ ** $p < .01$ *** $p < .001$

Logistic Regression Predicting Non-Violent Recidivism

	Estimate	SE	Odds Ratio	95% CI
Completed DVIP	-0.93 ***	0.28	0.396 ↓	0.227 – 0.682
Obligation Status: Revoked	1.44 ***	0.29	4.216 ↑	2.402 – 7.465
Obligation Status: Stricken	0.97 **	0.32	2.636 ↑	1.408 – 4.911
Obligation Status: Warrant	1.60 ***	0.35	4.964 ↑	2.516 – 9.795
Defendant has Dependent Children	0.12	0.23	1.122	0.711 – 1.764
Defendant Indigent	0.01	0.26	1.012	0.605 – 1.707
Mental Health Obligation	-0.51	0.28	0.601	0.347 – 1.023
Substance Abuse Obligation	0.00	0.24	1.004	0.624 – 1.602
Index Event: Other Offense	0.62	0.36	1.868	0.901 – 3.760
Index Event: Violation of DVPO	0.46	0.25	1.578	0.973 – 2.560
Number of DV Offenses in Crim. History	-0.04	0.05	0.959	0.863 – 1.061
Number of non-DV Offenses in Crim. History	0.14 ***	0.03	1.146 ↑	1.092 – 1.204
Days in Obligation	0.00 ***	0.00	1.001 ↑	1.001 – 1.002
Intercept	-2.88 ***	0.38	0.056	0.026 – 0.115

* $p < .05$ ** $p < .01$ *** $p < .001$

Descriptives – Significant Differences: Completers vs. Non-Completers

	Completed DVIP N (%)	Non-Completers N (%)	χ^2 / Sig.
ACEs – Parents Divorced/Separated	62 (38.8%)	32 (59.3%)	9.021 **
ODARA Score (collapsed)			20.898 ***
0–3	75 (46.9%)	7 (13.0%)	
4–7	51 (31.9%)	25 (46.3%)	
7+	12 (7.5%)	11 (20.4%)	
SRP4 Score (collapsed)			16.050 ***
Low to Average	85 (53.1%)	11 (20.4%)	
High to Extremely Elevated	15 (9.4%)	13 (24.1%)	
Assessed Treatment Level			—
1	16 (10.0%)	0	
2	40 (25.0%)	8 (14.8%)	
3	104 (65.0%)	46 (85.2%)	
4 (not amenable to DVIP tx)	—	—	

* $p < .05$ ** $p < .01$ *** $p < .001$

Descriptives – Significant Differences: Completers vs. Non-Completers

	Completed DVIP N (%)	Non-Completers N (%)	χ^2 / Sig.
Indigent	66 (41.3%)	38 (70.4%)	10.958 ***
Employed	110 (68.8%)	28 (51.9%)	4.580 *
Post-secondary Education	106 (66.3%)	19 (35.2%)	13.642 ***
Married	48 (30.0%)	6 (11.1%)	5.049 *
Index Offense: Assault (dummy)	119 (74.4%)	29 (53.7%)	7.148 **
Juvenile Record	17 (10.6%)	18 (33.3%)	14.027 ***
DV Criminal History	64 (40.0%)	27 (50.0%)	3.863 *
Any Criminal Recidivism	40 (25.0%)	26 (48.2%)	7.681 **

* $p < .05$ ** $p < .01$ *** $p < .001$

Descriptives – Significant Differences: Completers vs. Non-Completers

	Completed DVIP Avg (SD) / Median (Range)	Non-Completers Avg (SD) / Median (Range)	t-test
Age at Start of Obligation	35.61 (10.75) / 33.5 (19–72)	32.5 (9.6) / 30.5 (19–56)	-2.034 *
# Criminal History Incidents	2.86 (3.81) / 1 (0–15)	6.3 (5.61) / 6 (0–15)	4.183 ***
# DV Offenses in History	0.89 (1.42) / 0 (0–7)	2.11 (3.07) / 0.5 (0–13)	2.829 **
# DVIP Treatment Sessions	53.43 (16.12) / 53 (11–107)	21.87 (20.81) / 13.5 (1–87)	-10.125 ***
Days: Obligation Start → Assessment	59.04 (61.55) / 42 (0–550)	115.18 (101.72) / 85 (0–555)	3.779 ***
Length of Time in DVIP (months)	20.13 (7.25) / 19.78 (4.2–52.6)	14.68 (10.37) / 11.99 (0.8–43.1)	-3.195 ***
# Recidivism Incidents	0.41 (0.89) / 0 (0–6)	1.15 (1.83) / 0 (0–8)	2.700 **
# Property Recidivism Offenses	0.02 (0.14) / 0 (0–1)	0.26 (0.71) / 0 (0–3)	2.490 *
# Other Misdemeanor Recidivism Offenses	0.02 (0.14) / 0 (0–1)	0.13 (0.39) / 0 (0–2)	2.044 *

* $p < .05$ ** $p < .01$ *** $p < .001$