



Using Prison Days and Total Costs as an Alternative to Return to Prison Measures

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Recidivism

Table 1: Inmates with One Prison Intake* Exiting from Prison for the First Time During FY2010 - FY2015 by Three-Year Return to Prison Rates**

SUPERVISION STATUS IMMEDIATELY AFTER PRISON EXIT***	THREE-YEAR RETURN TO PRISON ANY REASON	Exited Prison During FY2010 - FY2015	
		COUNT	Three-Year Return Rate
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	NO	528	
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	YES	347	40%
	TOTAL	875	
PAROLE TO THE SRTEET	NO	592	
PAROLE TO THE STREET	YES	227	28%
	TOTAL	819	
NO SUPERVISION	NO	432	
NO SUPERVISION	YES	51	11%
	TOTAL	483	
ALL	NO	1,552	
ALL	YES	625	29%
	TOTAL	2,177	

*Prison Intakes determined by available historical data in the WCIS Movement History table.

**Return defined as physical return to a WDOC prison within three years (1095 days) from exit.

***Excludes inmates who graduated from Boot Camp, returned to the custody of another state's prison system, were placed into the custody of the INS or US Marshalls Service and anyone who discharged to a detainer.

Gender Descriptive Statistics:



Table 2: Inmates with One Prison Intake* Exiting from Prison for the First Time During FY2010 - FY2015 by Gender

SUPERVISION STATUS IMMEDIATELY AFTER PRISON EXIT**	GENDER	Exited Prison During FY2010 - FY2015	
		COUNT	Percent
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	Female	146	17%
	Male	729	83%
	TOTAL	875	
PAROLE TO THE STREET	Female	225	27%
	Male	594	73%
	TOTAL	819	
NO SUPERVISION	Female	86	18%
	Male	397	82%
	TOTAL	483	
ALL	Female	457	21%
	Male	1,720	79%
	TOTAL	2,177	

*Prison Intakes determined by available historical data in the WCIS Movement History table.

**Excludes inmates who graduated from Boot Camp, returned to the custody of another state's prison system, were placed into the custody of the INS or US Marshalls Service and anyone who discharged to a detainer.

Race Descriptive Statistics:

Table 3: Inmates with One Prison Intake* Exiting from Prison for the First Time During FY2010 - FY2015 by Race

SUPERVISION STATUS IMMEDIATELY AFTER PRISON EXIT**	RACE	Exited Prison During FY2010 - FY2015	
		COUNT	Percent
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	Non-White	171	20%
	White	704	80%
TOTAL		875	
PAROLE TO THE STREET	Non-White	165	20%
	White	654	80%
TOTAL		819	
NO SUPERVISION	Non-White	111	23%
	White	372	77%
TOTAL		483	
ALL	Non-White	447	21%
	White	1,730	79%
TOTAL		2,177	

*Prison Intakes determined by available historical data in the WCIS Movement History table.

**Excludes inmates who graduated from Boot Camp, returned to the custody of another state's prison system, were placed into the custody of the INS or US Marshalls Service and anyone who discharged to a detainer.

Age Descriptive Statistics:



Table 4: Inmates with One Prison Intake* Exiting from Prison for the First Time During FY2010 - FY2015 by Average Age at Intake and Average Age at Exit

SUPERVISION STATUS IMMEDIATELY AFTER PRISON EXIT**	Exited Prison During FY2010 - FY2015						
	COUNT	Average Age At Intake	Standard Deviation	Median Age at Intake	Average Age At Exit	Standard Deviation	Median Age at Exit
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	875	33.8	10.1	32.0	35.8	10.2	33.6
PAROLE TO THE SRTEET	819	34.8	11.2	31.9	37.1	11.4	34.2
NO SUPERVISION	483	36.0	12.1	34.2	38.7	12.4	36.7
TOTAL	2177	34.7	11.0	32.3	36.9	11.2	34.3

*Prison Intakes determined by available historical data in the WCIS Movement History table.

**Excludes inmates who graduated from Boot Camp, returned to another state's custody, were placed into the custody of the INS or US Marshalls Service and anyone who discharged to a detainer.

Risk Descriptive Statistics:

Table 5: Inmates with One Prison Intake* Exiting from Prison for the First Time During FY2010 - FY2015 by General Recidivism Risk Score

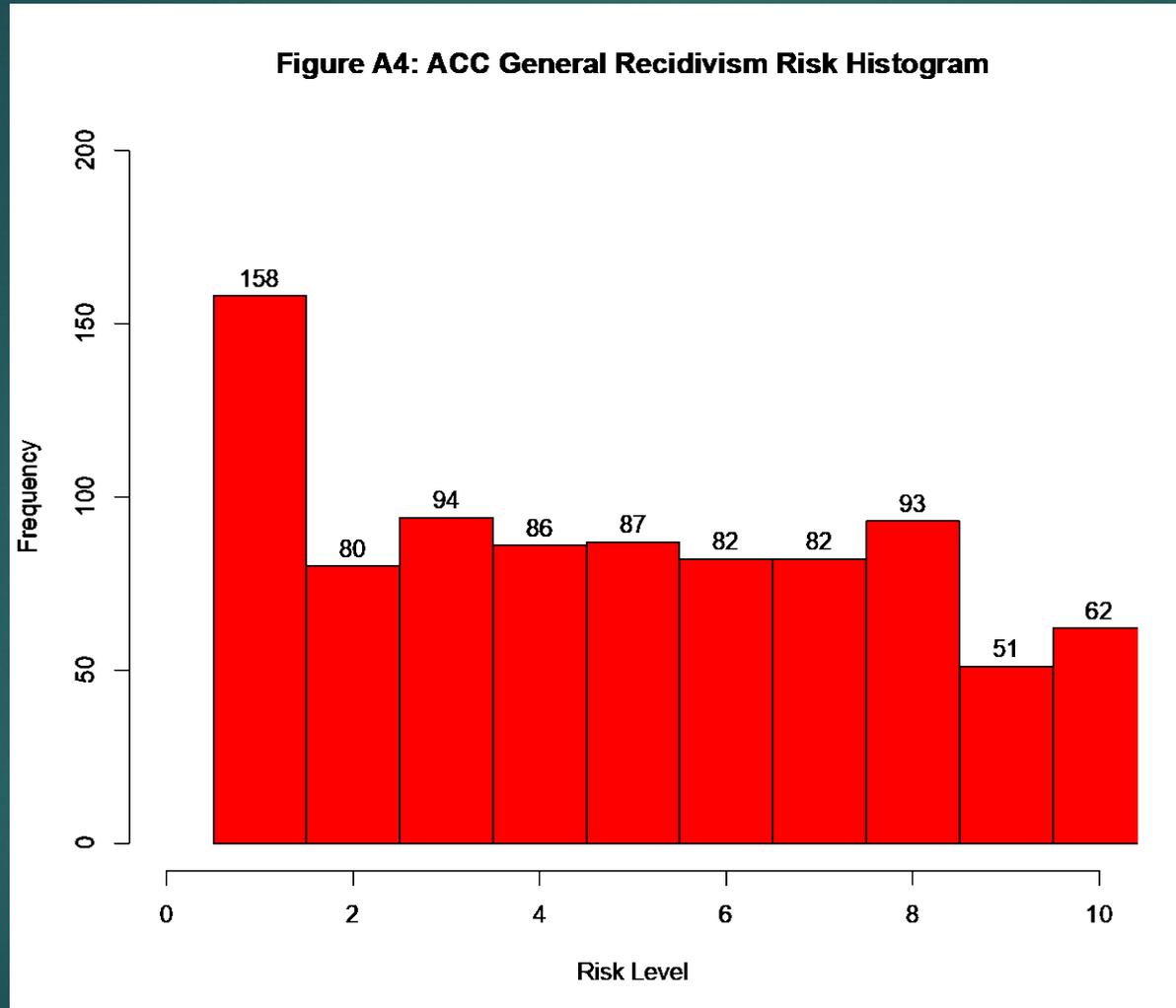
SUPERVISION STATUS IMMEDIATELY AFTER PRISON EXIT**	Exited Prison During FY2010-FY2015		
	COUNT	Average Compas General Recidivism Risk Decile Score	Standard Deviation
ADULT COMMUNITY CORRECTIONS FACILITY (ACC)	875	4.9	2.9
PAROLE TO THE SRTEET	819	5.0	2.9
NO SUPERVISION	483	5.1	2.9
TOTAL	2,177	4.9	2.9

*Prison Intakes determined by available historical data in the WCIS Movement History table.

**Excludes inmates who graduated from Boot Camp, returned to another state's custody, were placed into the custody of the INS or US Marshalls Service and anyone who discharged to a detainer.

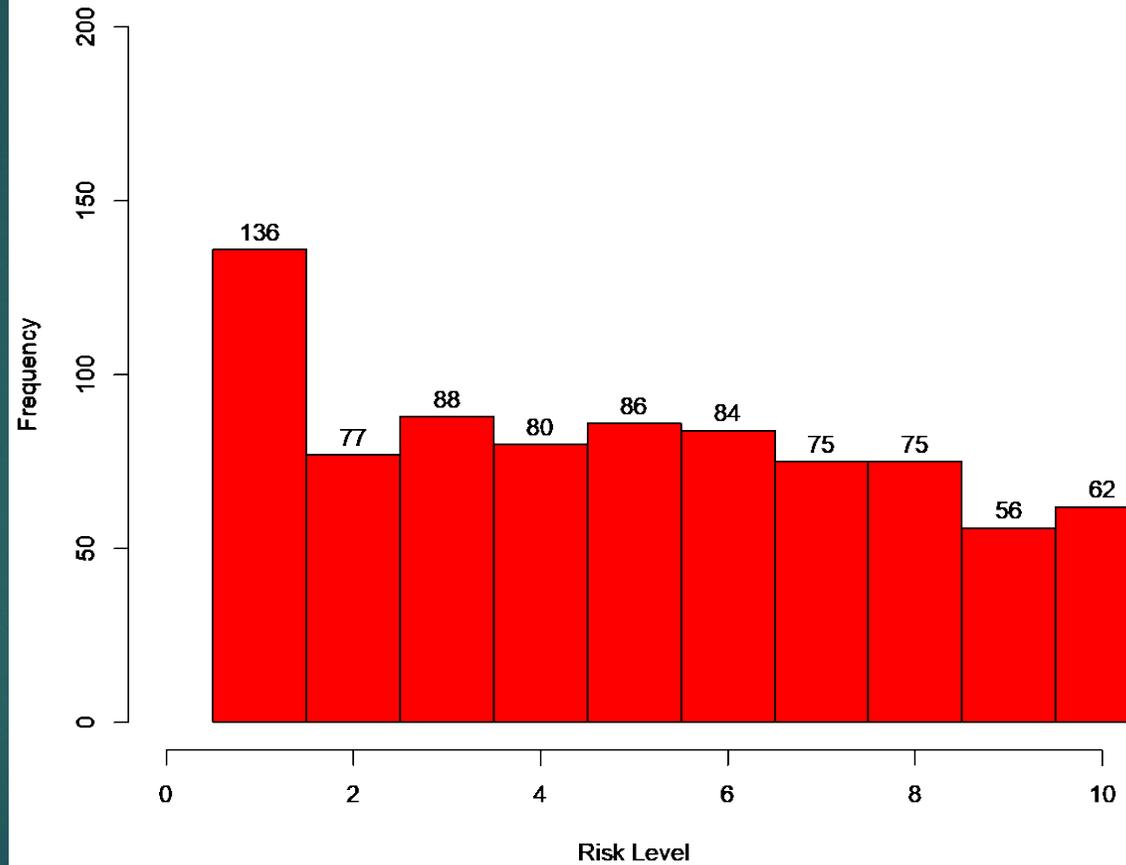
***COMPAS General Recidivism Risk Decile Scores are as follows: 1-4 = Low Risk, 5-7 = Medium Risk, 8-10 = High Risk

ACC Recidivism Risk



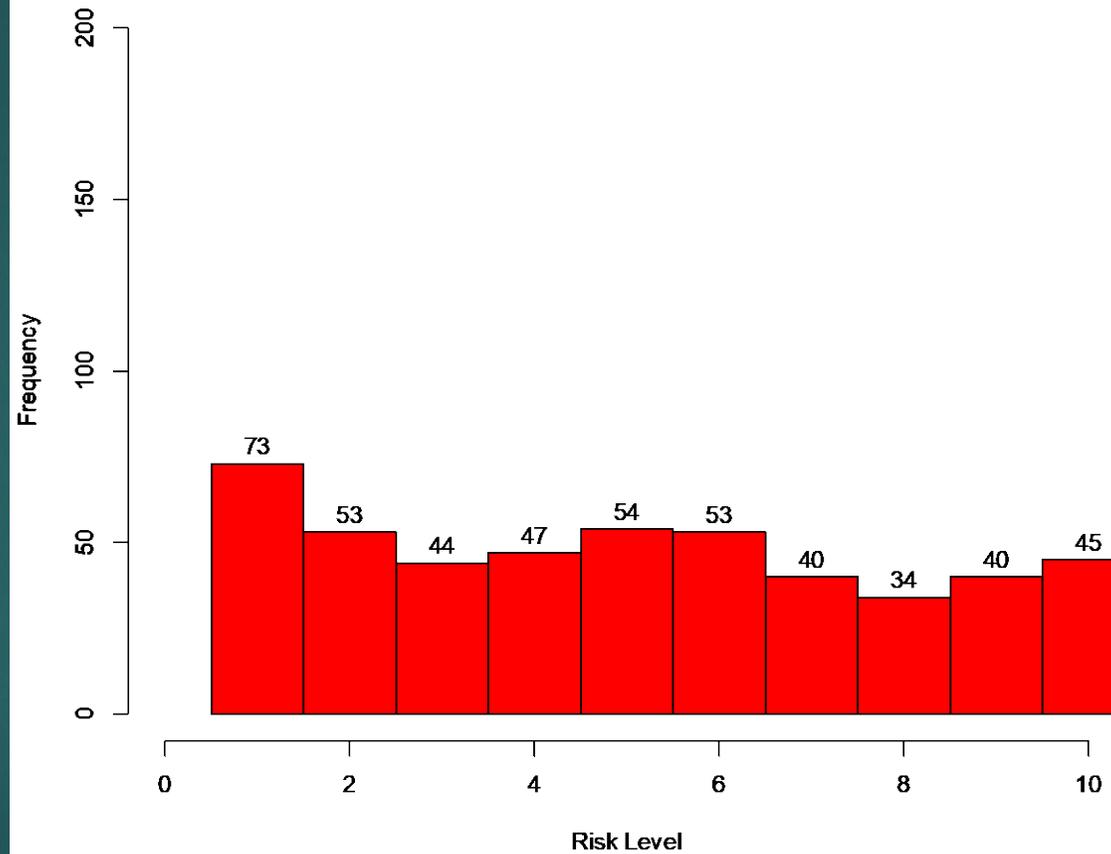
Parole to Street Risk

Figure A5: Parole to the Street General Recidivism Risk Histogram



No Supervision Risk

Figure A6: No Supervision General Recidivism Risk Histogram

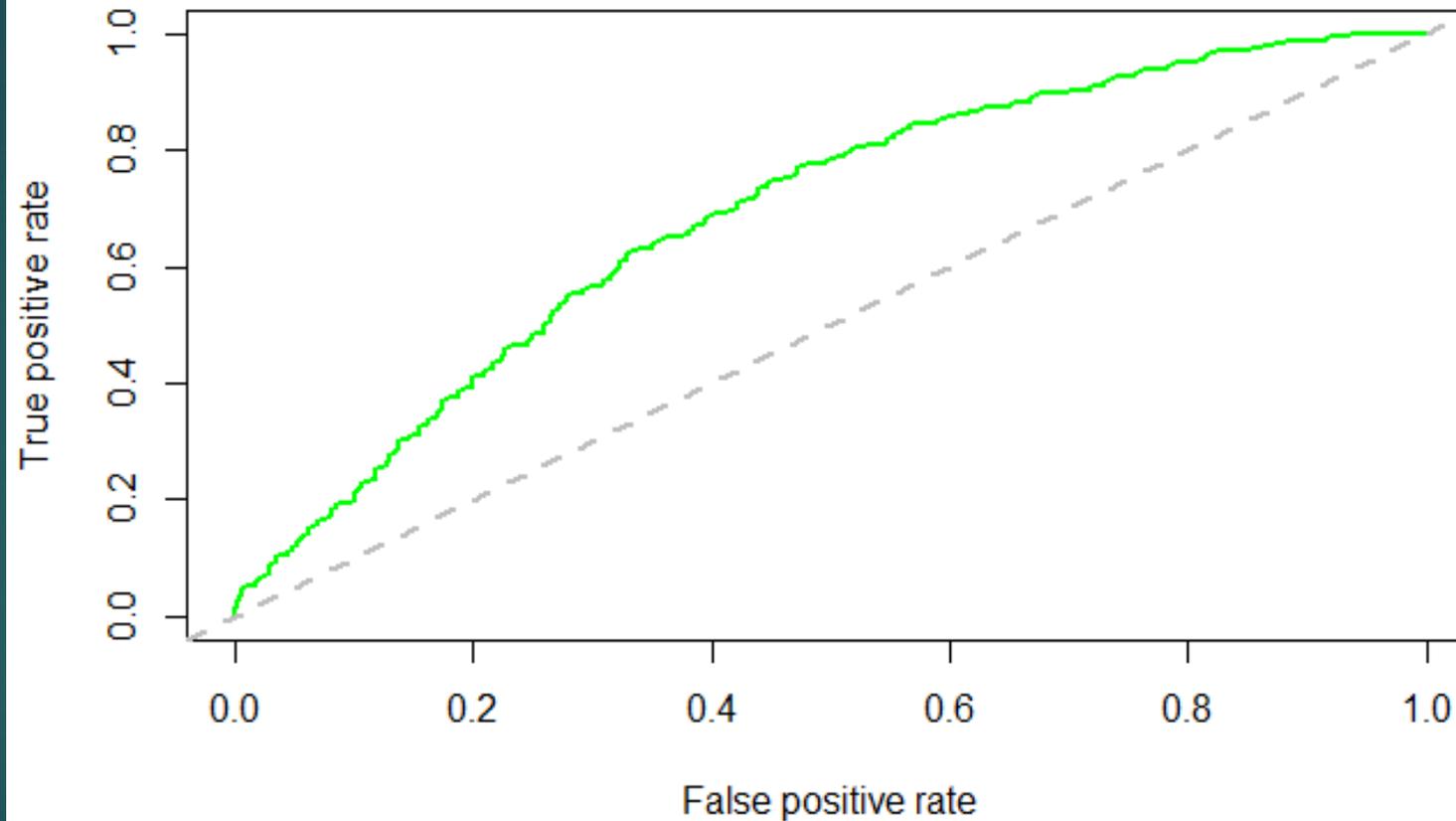


Logistic Regression

- Independent Variable:
 - Return to Prison (ACC vs Street Parole)
- Control Variables:
 - Age at exit
 - Gender
 - COMPAS general recidivism risk decile score
 - Race (dropped as insignificant)

Logistic Regression Cont.

Figure 1: ACC Compared to Street Parole Any Return AUC = .69



Logistic Regression Results:

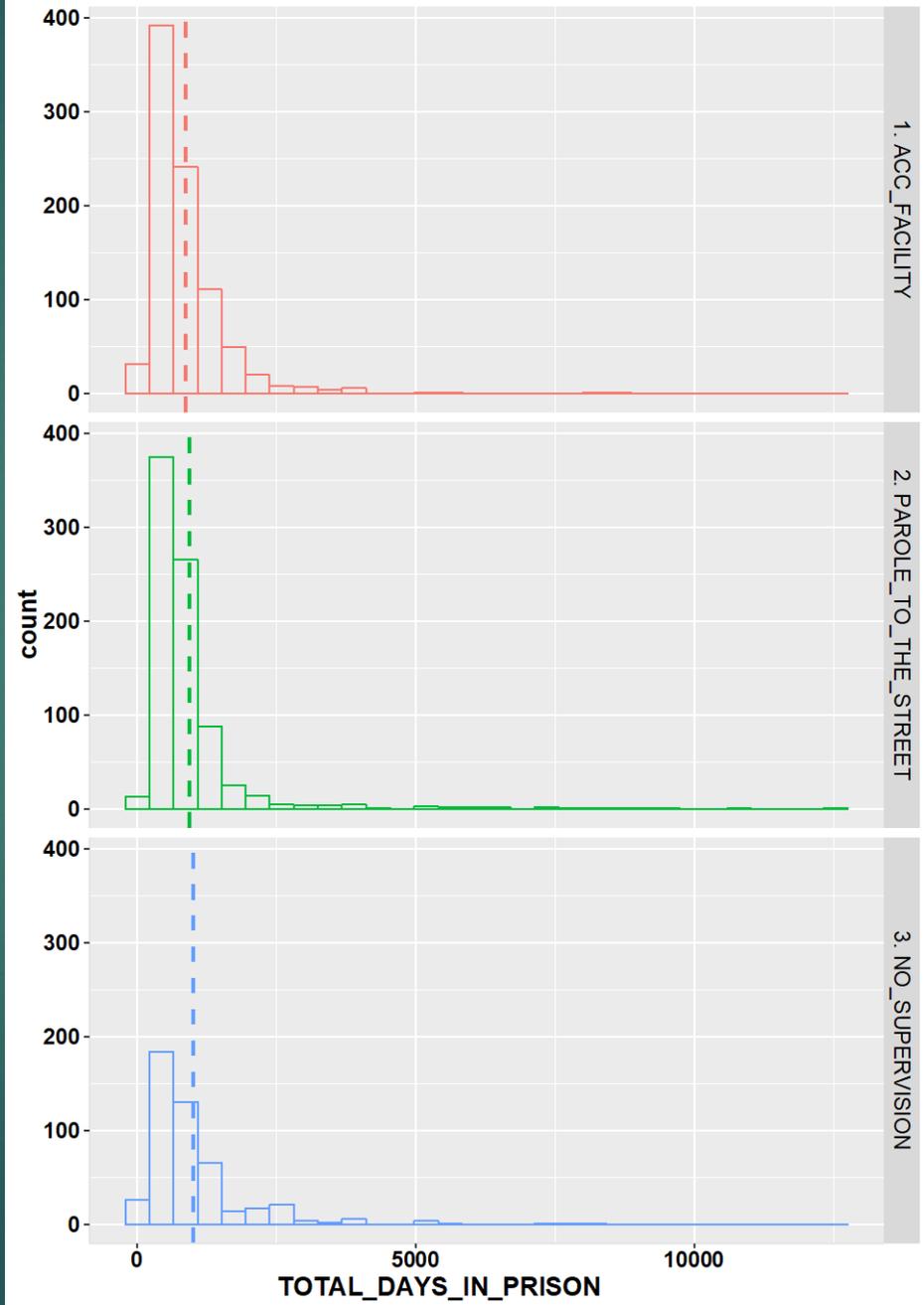
- ▶ ACC

- ▶ Relative Risk of Return: 24% - 70% higher than the Street Parole group

Distribution of Prison Day Consumption

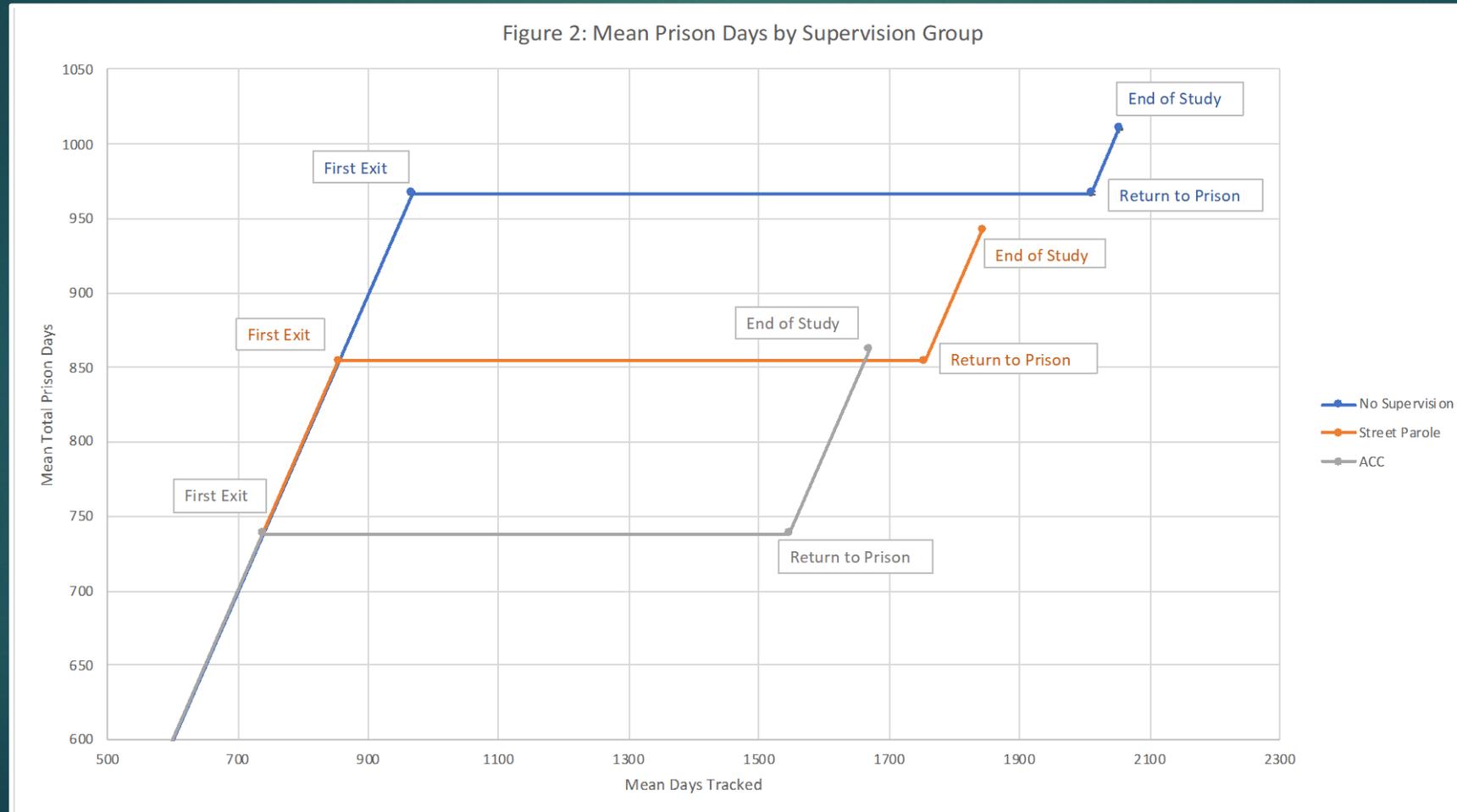
Figure 3: Distribution of Total Days in Prison by Supervision Type

EXIT_STATUS 1. ACC_FACILITY 2. PAROLE_TO_THE_STREET 3. NO_SUPERVISION

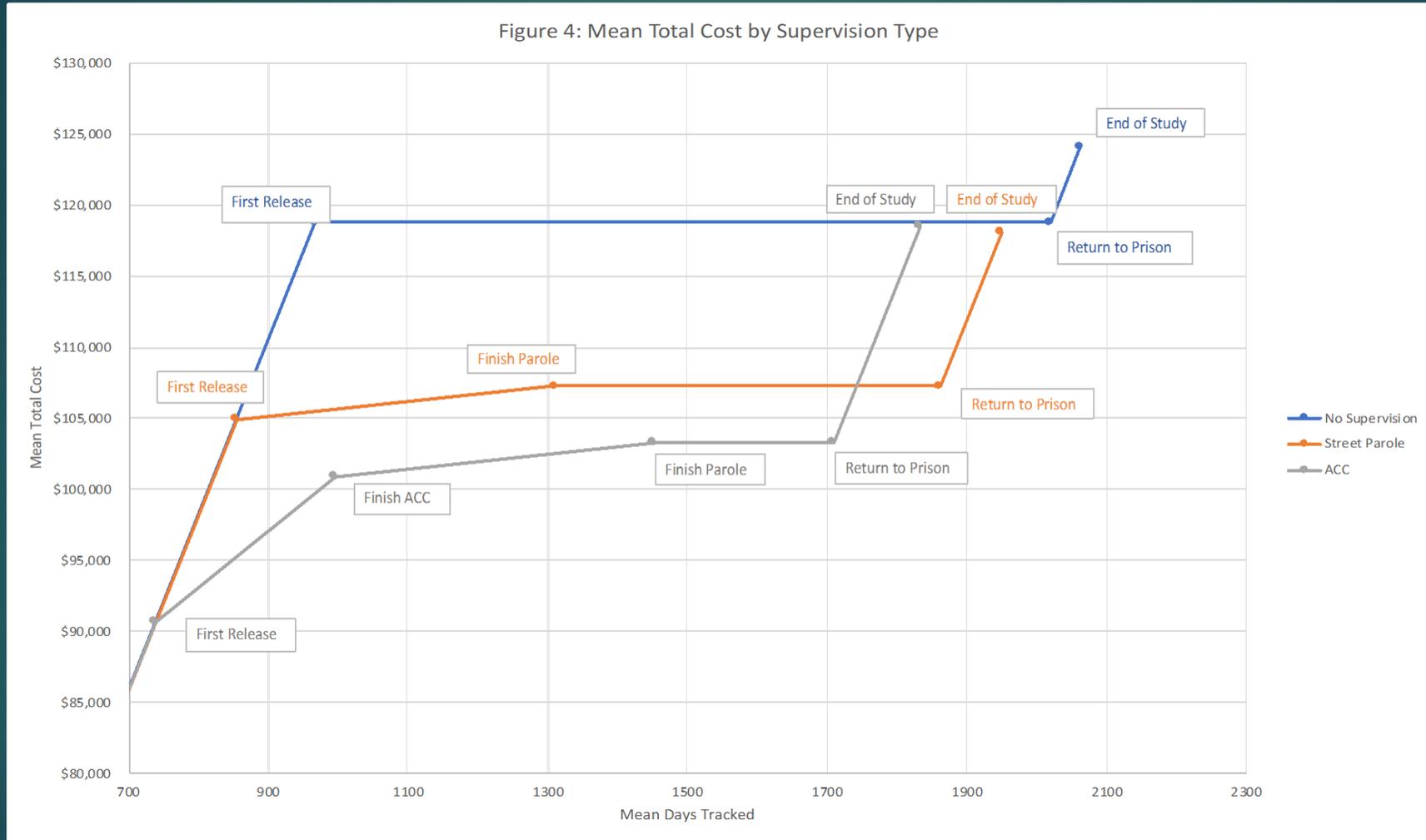


Prison Days and Cost

- ▶ Easy to write off ACC as being entirely bad, however another look tells a different story.



Prison Days and Cost: Cont.



Model of Improvement: Prison Days



Table 11: Mean Total Prison Days Accrued in Prison by First-Time Inmates During FY2010-FY2015 by Supervision Type								
	No Supervision		Street Parole		ACC		ACC Modeled (10 percentage points less than ACC)	
	Mean Days Tracked	Mean Total Prison Days	Mean Days Tracked	Mean Total Prison Days	Mean Days Tracked	Mean Total Prison Days	Mean Days Tracked	Mean Total Prison Days
First Intake	0	0	0	0	0	0	0	0
First Exit	967	967	854	854	738	738	738	738
Second Intake	2010	967	1755	854	1546	738	1546	738
End of Study	2053	1010	1843	942	1670	862	1670	830

Model of Improvement: Cost



Table 12: Mean Cost Accrued by First-Time Inmates During FY2010-FY2015 by Supervision Type								
	No Supervision		Street Parole		ACC		ACC Modeled (10% points less than ACC)	
	Mean Days Tracked	Mean Total Cost	Mean Days Tracked	Mean Total Cost	Mean Days Tracked	Mean Total Cost	Mean Days Tracked	Mean Total Cost
First Intake	0	\$0	0	\$0	0	\$0	0	\$0
First Exit	967	\$118,777	854	\$104,897	738	\$90,649	738	\$90,649
Finish ACC	967	\$118,777	854	\$104,897	995	\$100,908	995	\$100,908
Finish Parole	967	\$118,777	1310	\$107,263	1451	\$103,275	1451	\$103,275
Return to Prison	2019	\$118,777	1861	\$107,263	1709	\$103,275	1709	\$103,275
End of Study	2062	\$124,058	1949	\$118,073	1833	\$118,506	1833	\$113,665