Evidence- Based Practice (EBP) and its Application in Dutchess County

Improving Public Safety and Reintegration Outcomes through Effective Criminal Justice Practice:

Planning and Research Considerations

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CJC Future Research/Planning Considerations

- Evaluate Average Length of Stay in Jail by Jurisdiction, Crime Type, Race, Gender, etc. to Inform Future Jail Sizing Analyses
- Review System Process by Jurisdiction, Crime Type, Race, Gender, etc. to Identify Opportunities for Efficiency
- Query and Evaluate Existing Programs and Services to Determine Adherence to Evidence-Based Practice
- Review and Evaluate Programmatic Assignments by Risk and Need System-Wide
- Evaluate System Outcomes for Existing Interventions and Strategies for their Effect on Long-term Public Safety within Dutchess County
- Identify Gaps and/or Duplications in Service/Resource to Accommodate/Advance Desired Long-Term Public Safety Outcomes

Please note: Each of the areas above has been outlined previously by the CJC to guide its overarching approach to evidence-based research and study of actual services and practices used within the Dutchess County System of Criminal Justice. It is the intention of the CJC that each area of research informs future criminal justice decision making and results in outcomes that are proven to enhance efficiency system-wide and improve long-term public safety outcomes.

Our Business Case: The Local Application of EBP

What it is:

- A "Smart on Crime" decision-making model focused on:
  - Efficiency and effective use of existing resources
  - Thoughtful allocation of new resources
  - Demonstrated return on investment (ROI)
- A whole-system approach designed to manage effectively ALL incarcerated people to:
  - Reduce recidivism
  - Achieve better reintegration
  - Improve long-term public safety

Important Lessons/Considerations: What we Know

- Different groups and jurisdictions have different effects on our average length of stay and overall use of jail beds
- Inmates who were housed out experienced significantly longer jail stays
- Approximately 17% of our local offender population commits over 50% of our crime and consumes nearly over 70% of our jail bed days
- Recidivism varies greatly among our incarcerated population regardless of “instant” crime.
- Within our county, over 80% of recidivism occurs within the first year post release

ALL Admittances 12/15/11 – 05/02/16 (Total N = 13,236)

BY ALOS	Inmates	% Inmates	ALOS	# Jail Days	% of all Jail Days
ALL	**13236**	**100%**	**49.8**	**659132**	**100%**
100 + Jail Days	**2338**	**17.7%**	**193.6**	**452706**	**68.7%**
All Others	**10898**	**82.3%**	**18.9**	**206426**	**31.3%**

Inmates 12/15/11 – 05/02/16
100 + Jail Days (Total N = 2338)

Venue	# Admittances
CO Beacon	128
CO Poughkeepsie	**722**
Dutchess County Court	264
Dutchess Family Court	20
DC SCRT	4
Violation Parole	58
TO Amenia	28
TO Beekman	20
TO Clinton	10
TO Dover	67
TO East Fishkill	65
TO Fishkill	61
TO Hyde Park	126
TO Lagrange	61
TO Millbrook	3
TO Northeast	15
TO Pawling	11
TO Poughkeepsie	**416**
TO Pleasant Valley	74
TO Pine Plains	3
TO Rhinebeck	8
TO Red Hook	12
TO Stanfordville	9
TO Unionvale	11
TO Washington	12
TO Wappingers	63
VO Fishkill	9
VO Pawling	5
VO Red Hook	10
VO Rhinebeck	2
VO Tivioli	3
VO Wappingers	38

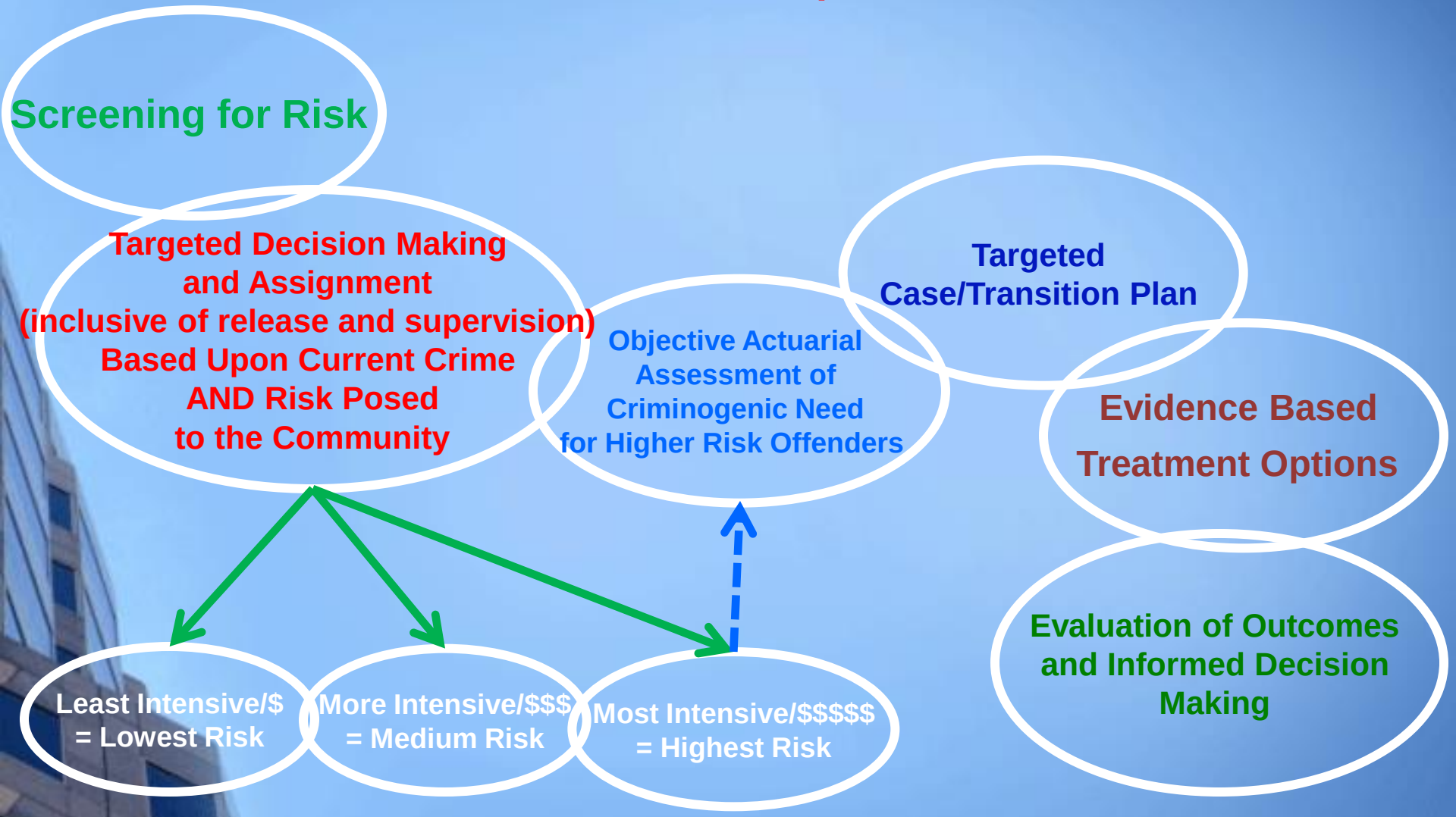
ALOS by Race and Gender
Overall ALOS =24
ALOS Black Female
17
ALOS White Female
17
ALOS Female
18
ALOS Black
23
ALOS Black Male
24
ALOS White
24
ALOS Hispanic Female
25
ALOS Male
26
ALOS White Male
27
ALOS Hispanic
29
ALOS Hispanic Male
30
0
5
10
15
20
25
30
35
Average # of
Days in Jail

Evidence-Based Practice
Review from March 2015

- Using scientific evidence to guide and inform efficient and effective (Criminal Justice System) services.
- Ensure comparison of like people to determine effectiveness and ROI

Developing the Evidence Based Chain

The weakest link puts all others at risk



Business Outcomes and EBP:

What evidence do we have and how will it be used to evaluate the effectiveness of our sanctions, interventions, and actions?

Proxy

- An easily administered, validated assessment instrument used to pre-screen an individual's risk to reoffend.
  - **Current age**
  - **Age at first arrest**
  - **Number of priors**

Criminogenic needs reduction for higher risk offender populations

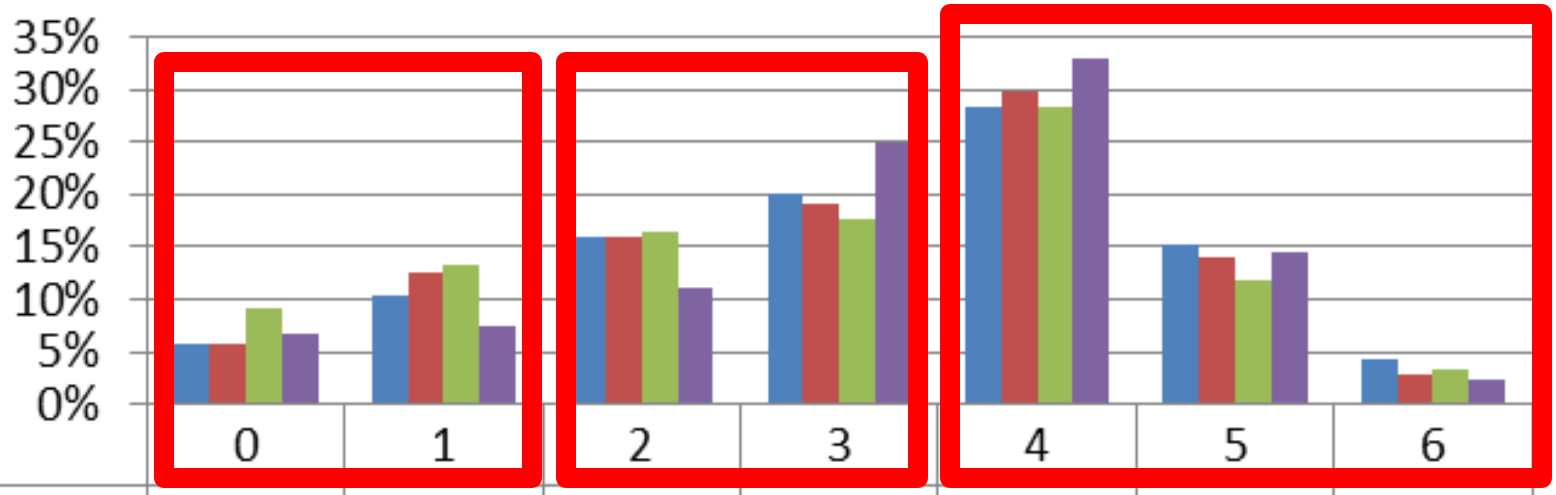
Evidence-Based Targeted Case Management

Do our programs work, do we have the right programs and do the right people have access?

Our Business Plan

What specific actions will we undertake to manage different groups of offenders fitting into the various categories of risk?

Risk to Reoffend - ALL Releases
ALL Crime Types



	0	1	2	3	4	5	6
Misd.	6%	10%	16%	20%	28%	15%	4%
NV Felony	6%	13%	16%	19%	30%	14%	3%
Viol/Lower	9%	13%	16%	18%	28%	12%	3%
Viol. Fel.	7%	7%	11%	25%	33%	15%	2%

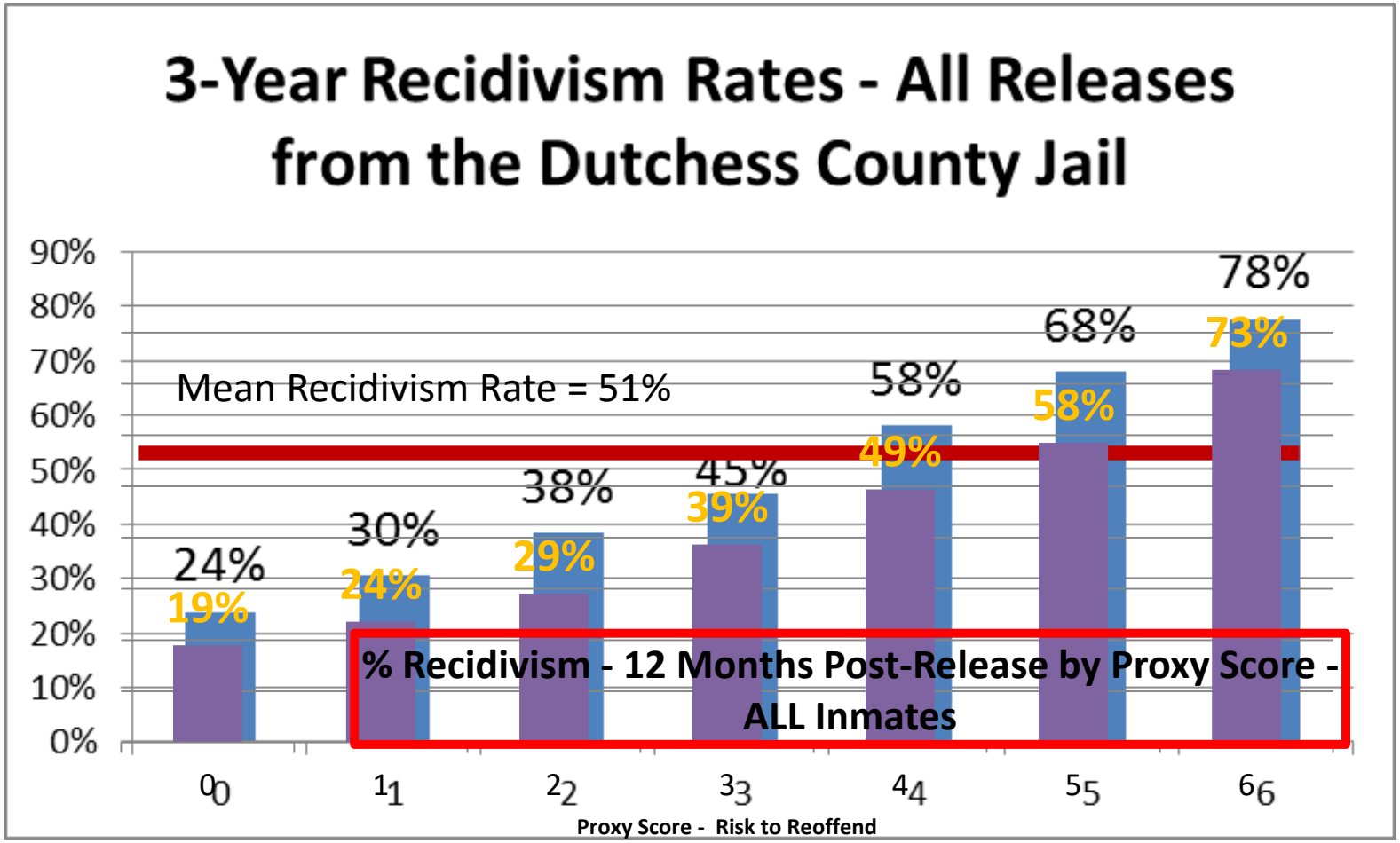
Corrections Partners, Inc. © 2010

Dutchess County Inmates

3-Year Recidivism Rates by Risk to Reoffend

All DCJ Releases (N=3450) before February 2, 2013

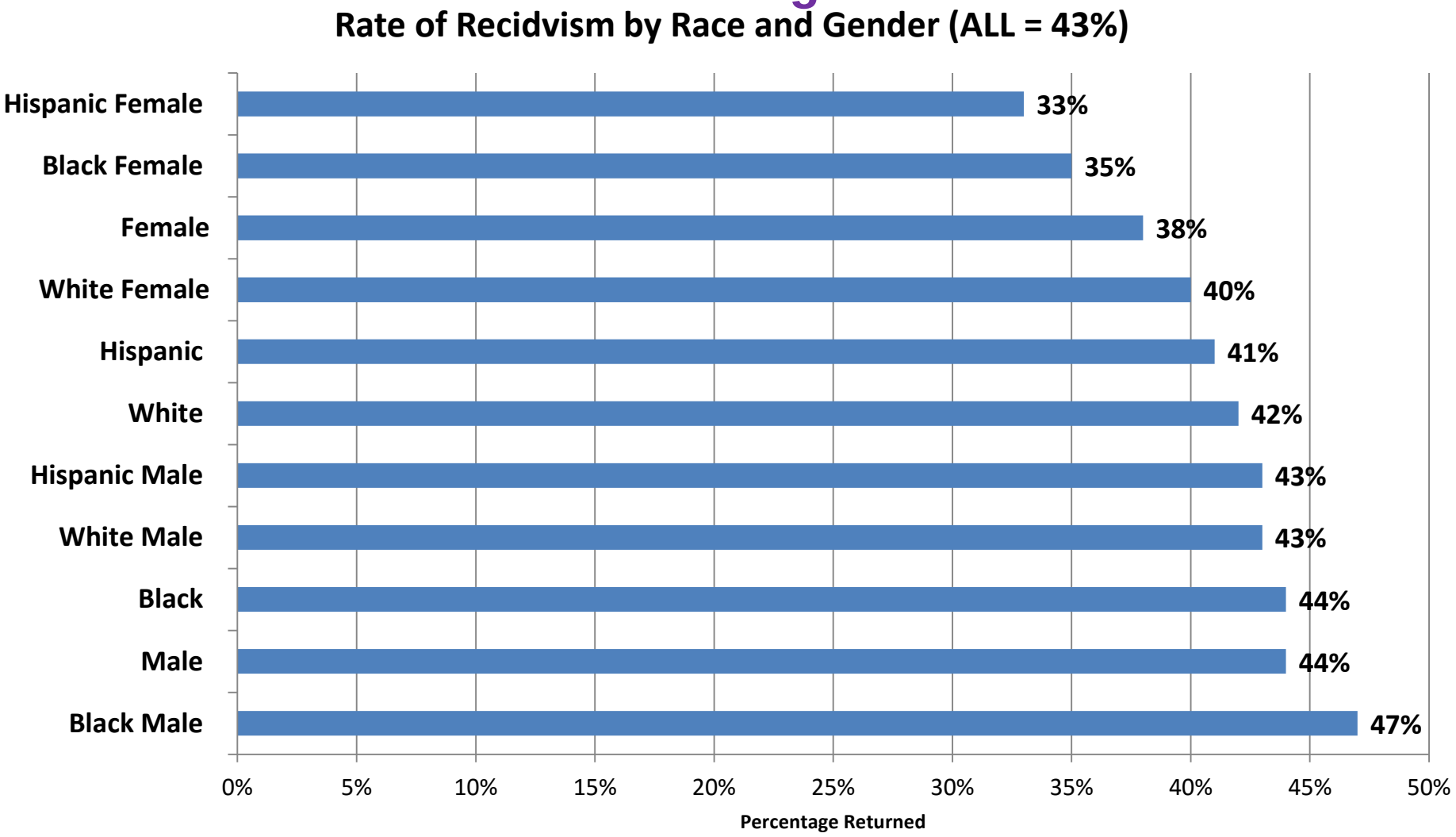
Dutchess County Jail Releases
December 15, 2011 - February 1, 2013 (N= 3450)



Proxy Score

	0	1	2	3	4	5	6	ALL
# Releases	201	335	472	667	1020	599	156	3450
# Returns	48	102	181	303	592	407	121	1754
Recidivism Rate	24%	30%	38%	45%	58%	68%	78%	51%

Different Groups of Inmates Pose Varying Levels of Risk to our Local Communities and have Distinct Levels of Criminogenic Need



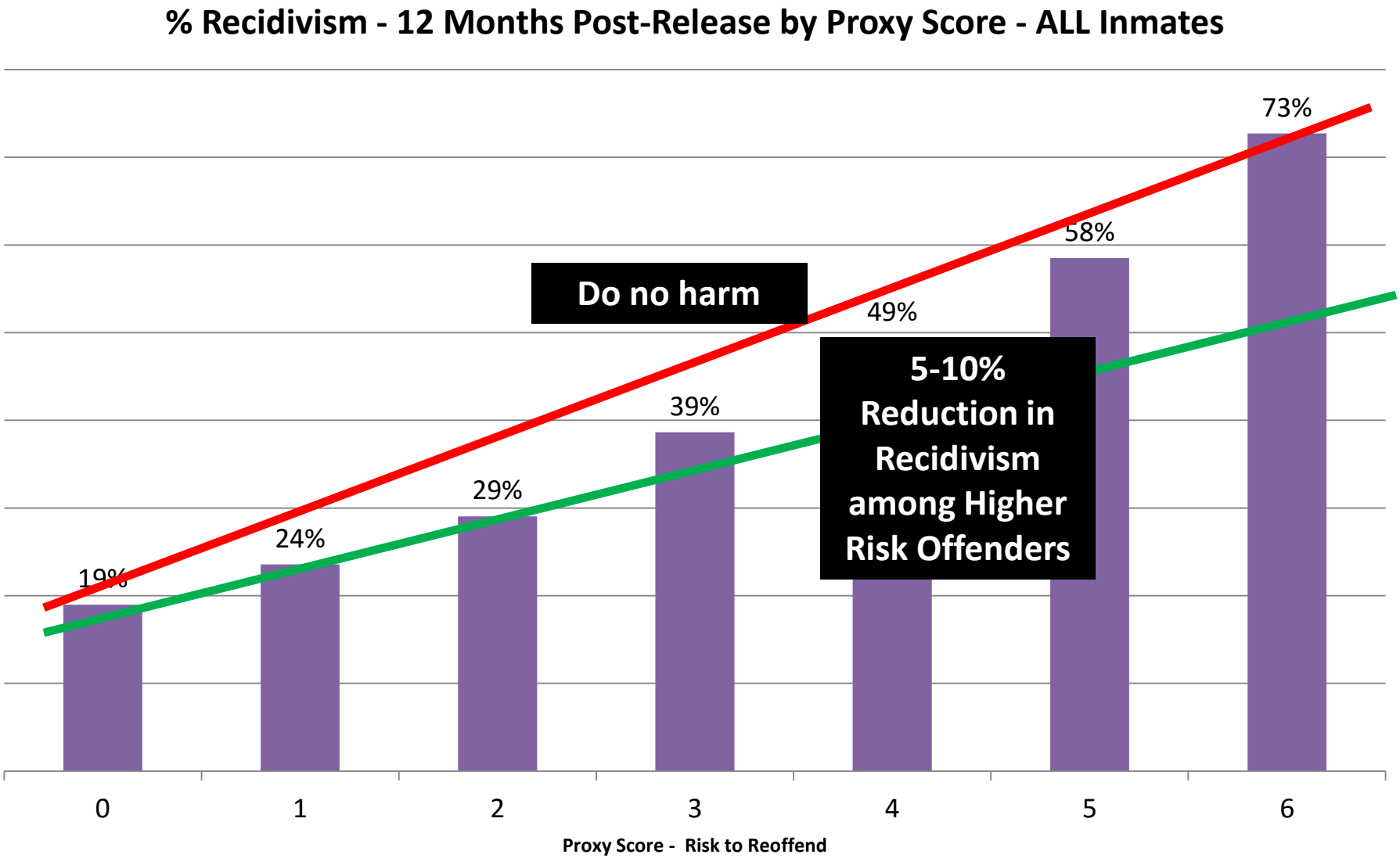
Christensen, 2013

Expectations?

- ✓What is reasonable to expect in terms of recidivism outcomes?

- ✓What assurances should you give/expect?

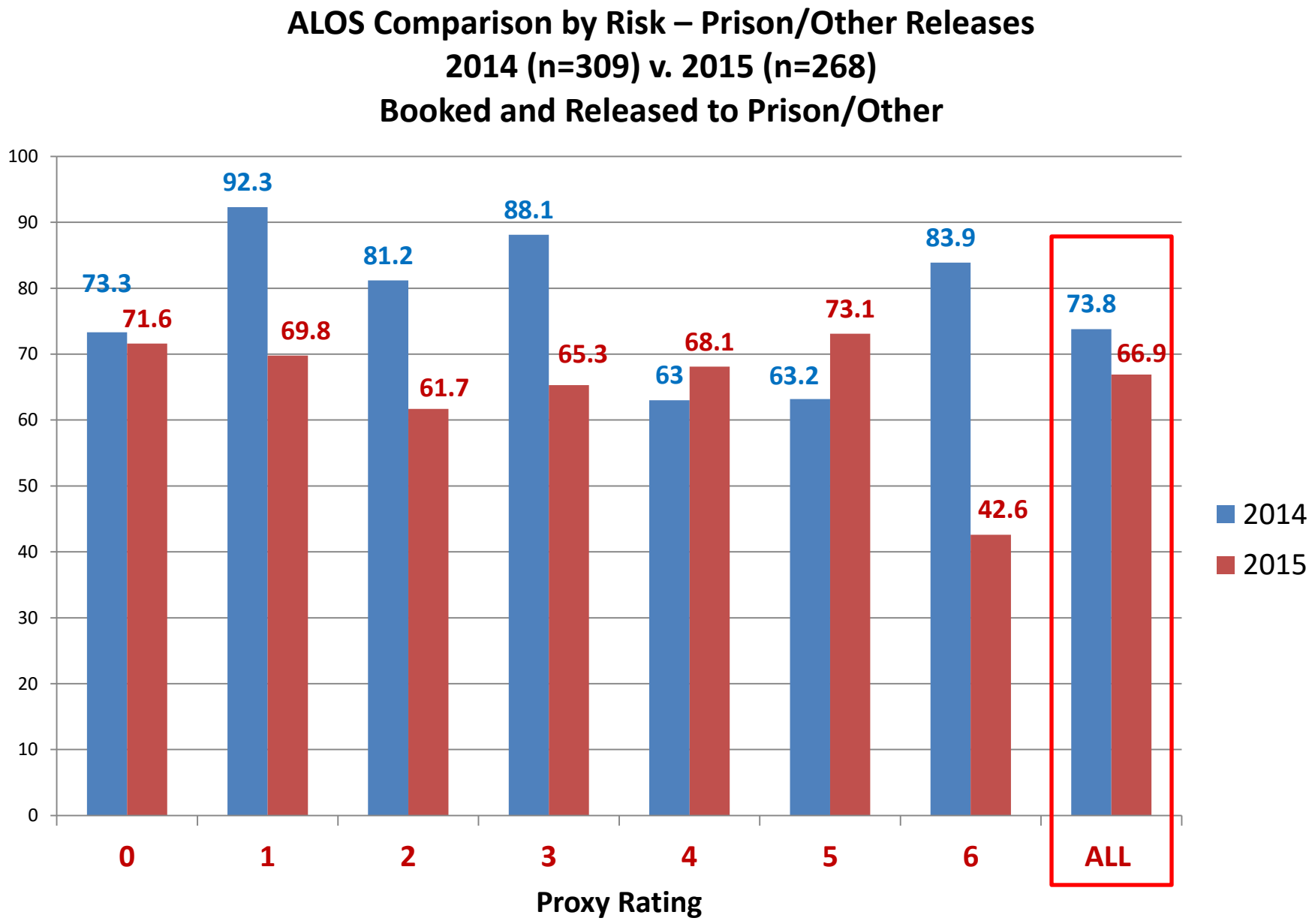
Desired/Acceptable Treatment Outcomes in an Evidence-Based System (Cost/Benefit – Long Term Public Safety)?

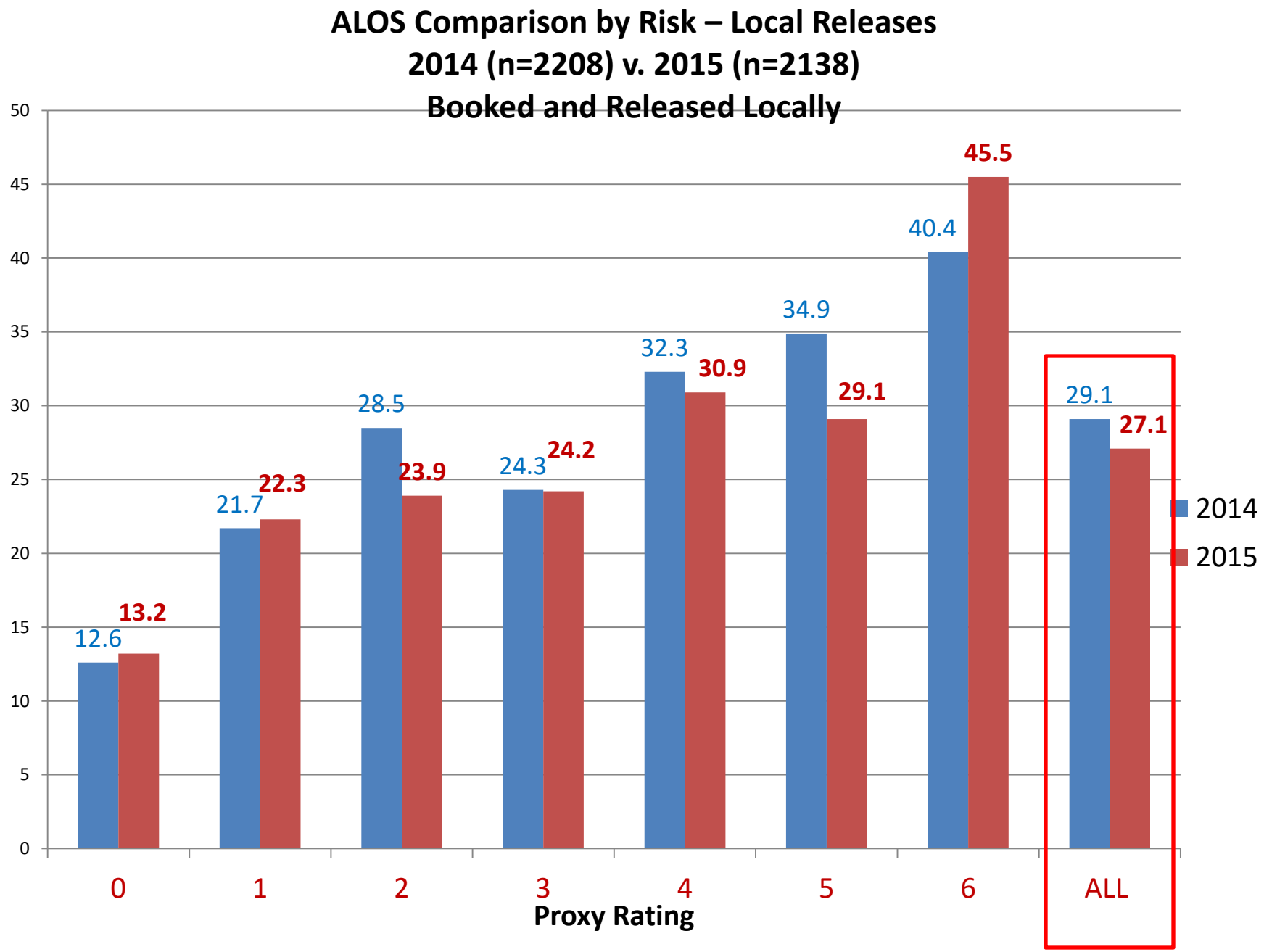


Dutchess County Inmates

Comparison of Average Length of Stay (ALOS) by Risk to Reoffend and Release Designation:

Inmates Booked and Released in 2014 (n=2517) versus Inmates Booked and Released in 2015 (n=2406)


ALOS Comparison by Risk – Prison/Other Releases
2014 (n=309) v. 2015 (n=268)
Booked and Released to Prison/Other
100
90
80
70
60
50
40
30
20
10
0
73.3
71.6
92.3
69.8
81.2
61.7
88.1
65.3
63
68.1
63.2
73.1
83.9
42.6
73.8
66.9
0
1
2
3
4
5
6
ALL
Proxy Rating
2014
2015


ALOS Comparison by Risk – Local Releases
2014 (n=2208) v. 2015 (n=2138)
Booked and Released Locally
50
45
40
35
30
25
20
15
10
5
0
12.6
13.2
21.7
22.3
28.5
23.9
24.3
24.2
32.3
30.9
34.9
29.1
40.4
45.5
29.1
27.1
0
1
2
3
4
5
6
ALL
Proxy Rating
2014
2015

DCJ ALOS Fact Sheet

DCJ Releases BY Month

All Releases (Jan 2014 – April 2016)

Month	Total Releases	Total ALOS	# Local Releases	ALOS Local Releases	Prison and other institution releases	ALOS Prison/Other
Jan 14	248	54	214	38.6	34	151
Feb 14	210	55.2	185	48.9	25	102
Mar 14	258	60	223	44	35	162.2
April 14	243	45	210	35.5	33	106
May 14	226	68	180	43.5	46	164.1
June 14	237	64	187	40.3	50	152.5
July 14	253	55.1	212	42.6	41	119.8
Aug 14	243	56.7	209	39	34	165
Sept 14	245	52	203	37.6	42	121.5
Oct 14	277	66.1	226	44.4	51	162.3
Nov 14	254	56	221	44.2	33	135.2
Dec 14	245	50	209	34.5	36	139.9
Jan 15	218	65.8	187	42.1	31	208.5
Feb 15	225	64.3	178	46.9	47	130.2
Mar 15	280	66.8	229	46.5	51	157.8
April 15	222	60	188	48.6	34	122.6
May 15	242	56	213	46.5	29	126
June 15	241	61	196	36	45	169
July 15	248	57	212	41	36	148.5
Aug 15	291	51.1	259	41	32	133.5
Sept 15	243	48.1	215	35.7	28	143
Oct 15	252	54.4	207	35.8	45	139.8
Nov 15	216	56.7	183	39.3	33	153.2
Dec 15	233	70.3	193	43.2	40	201
Jan 16	228	60.6	182	39.8	46	142.5
Feb 16	229	55.7	199	43.6	30	137.2
Mar 16	241	74.8	190	51.7	51	157.9
April 16	248	54.9	206	36.4	42	145.6

DCJ ALOS Fact Sheet

DCJ Releases BY Month

Total Releases VS. Releases NOT Housed Out at any time

(November 2015 – April 2016)

Total Releases = Black Font

Releases NOT Housed Out at any time = (Red Font)

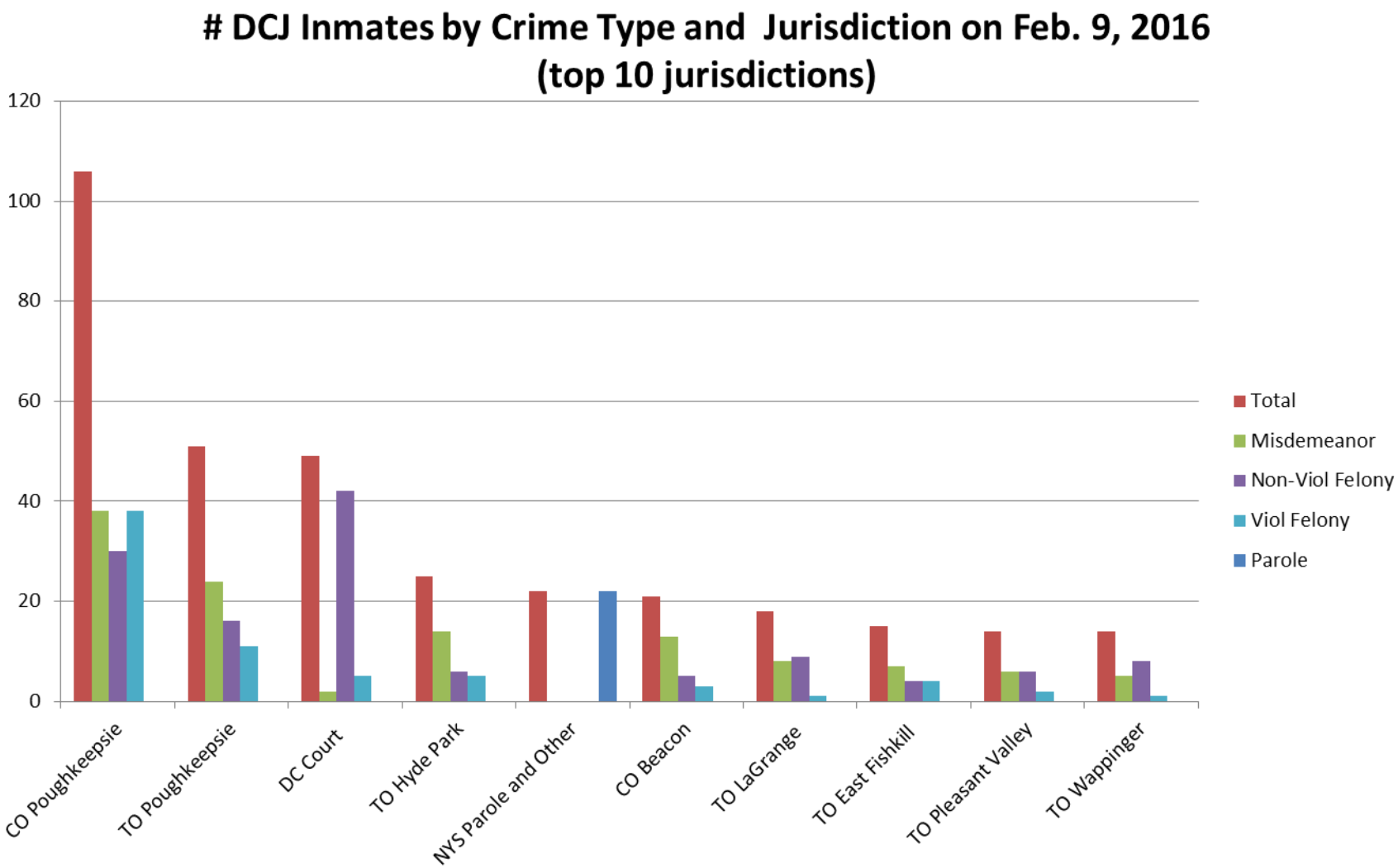
Month	Total Releases	Total ALOS	# Local Releases	ALOS Local Releases	Prison and other institution releases	ALOS Prison/Other
Nov 15	216 (203)	56.7 (40.5)	183 (178)	39.3 (33.9)	33 (25)	153.2 (87.6)
Dec 15	233 (209)	70.3 (43.9)	193 (182)	43.2 (34)	40 (27)	201 (110.7)
Jan 16	228 (212)	60.6 (42)	182 (174)	39.8 (32.3)	46 (38)	142.5 (86.1)
Feb 16	229 (219)	55.7 (44.7)	199 (195)	43.6 (39.2)	30 (24)	137.2 (89.3)
Mar 16	241 (227)	74.8 (62.1)	190 (182)	51.7 (49.7)	51 (45)	157.9 (112.4)
Apr 16	248 (238)	54.9 (46.5)	206 (199)	36.4 (32)	42 (39)	145.6 (120.8)

Dutchess County Inmates

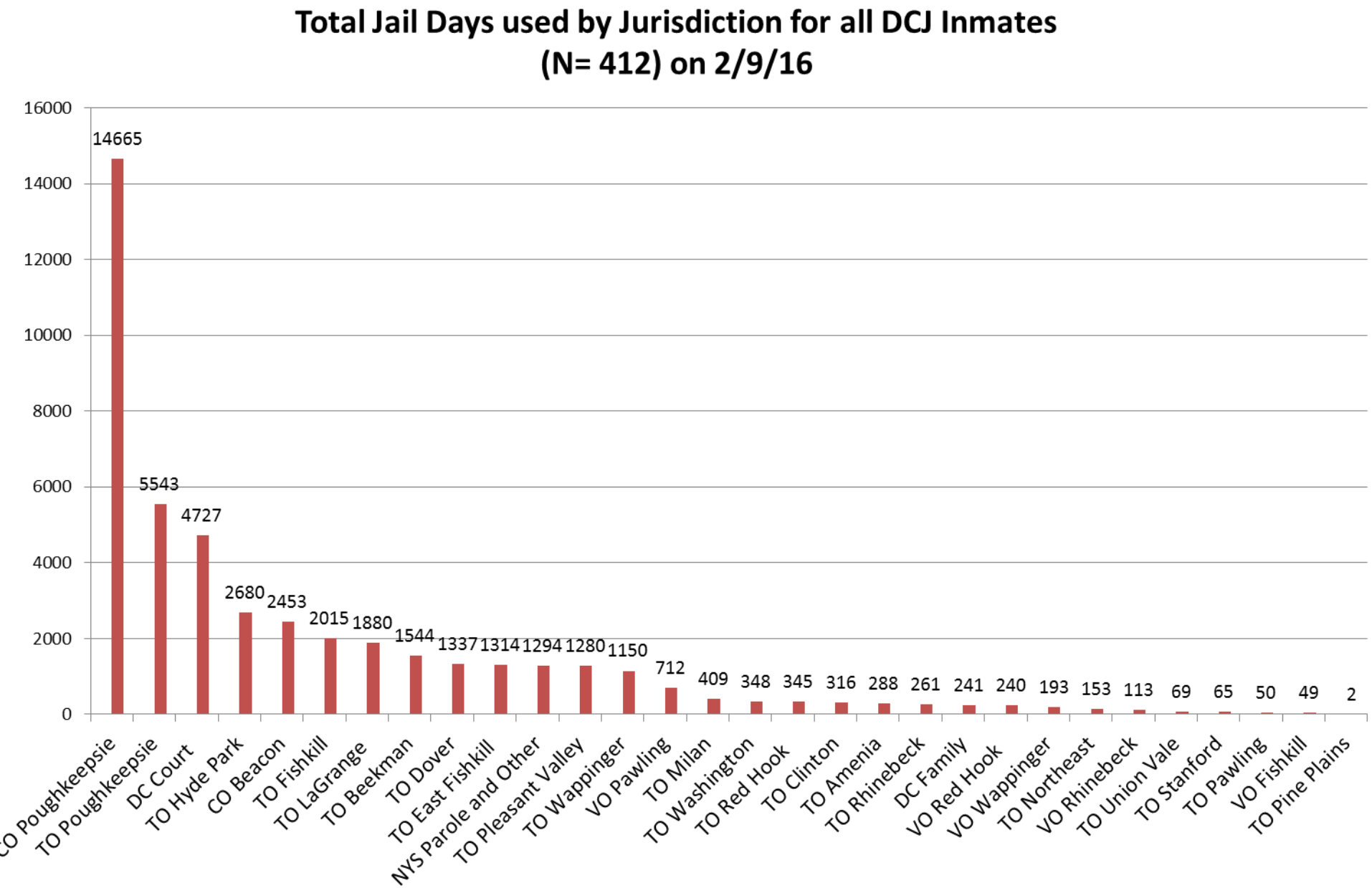
DCJ One-Day Snapshot

February 9, 2016

DCJ One-Day Snapshot - February 9, 2016



DCJ One-Day Snapshot - February 9, 2016



DCJ One-Day Snapshot - February 9, 2016

Charges originating in the City of Poughkeepsie resulted in 106 incarcerated people or 25.7 percent of the jail population

Charges originating in the Town of Poughkeepsie resulted in 51 incarcerated people or 12.4 percent of the jail population

There were 45736 jail days used to date by people incarcerated on 2/9/16.

For the jail population on 2/9/16:

- Charges originating in the City of Poughkeepsie resulted to date in the use of 14,665 jail days or 32.1 percent of all jail days used
- Charges originating in the Town of Poughkeepsie resulted to date in the use of 5,543 jail days or 12.1 percent of all jail days used
- Inmates in Dutchess County Court resulted to date in the use of 4,727 jail days or 10.3 percent of all jail days used

DCJ One-Day Snapshot by Crime

May 5, 2016

Dutchess County Jail

Population Breakdown by Offense **5/5/2016 - 5/5/2016**

A CJC-Requested Report

This report categorizes Jail Bookings open during a given time period based on the earliest recorded charge as outlined below.

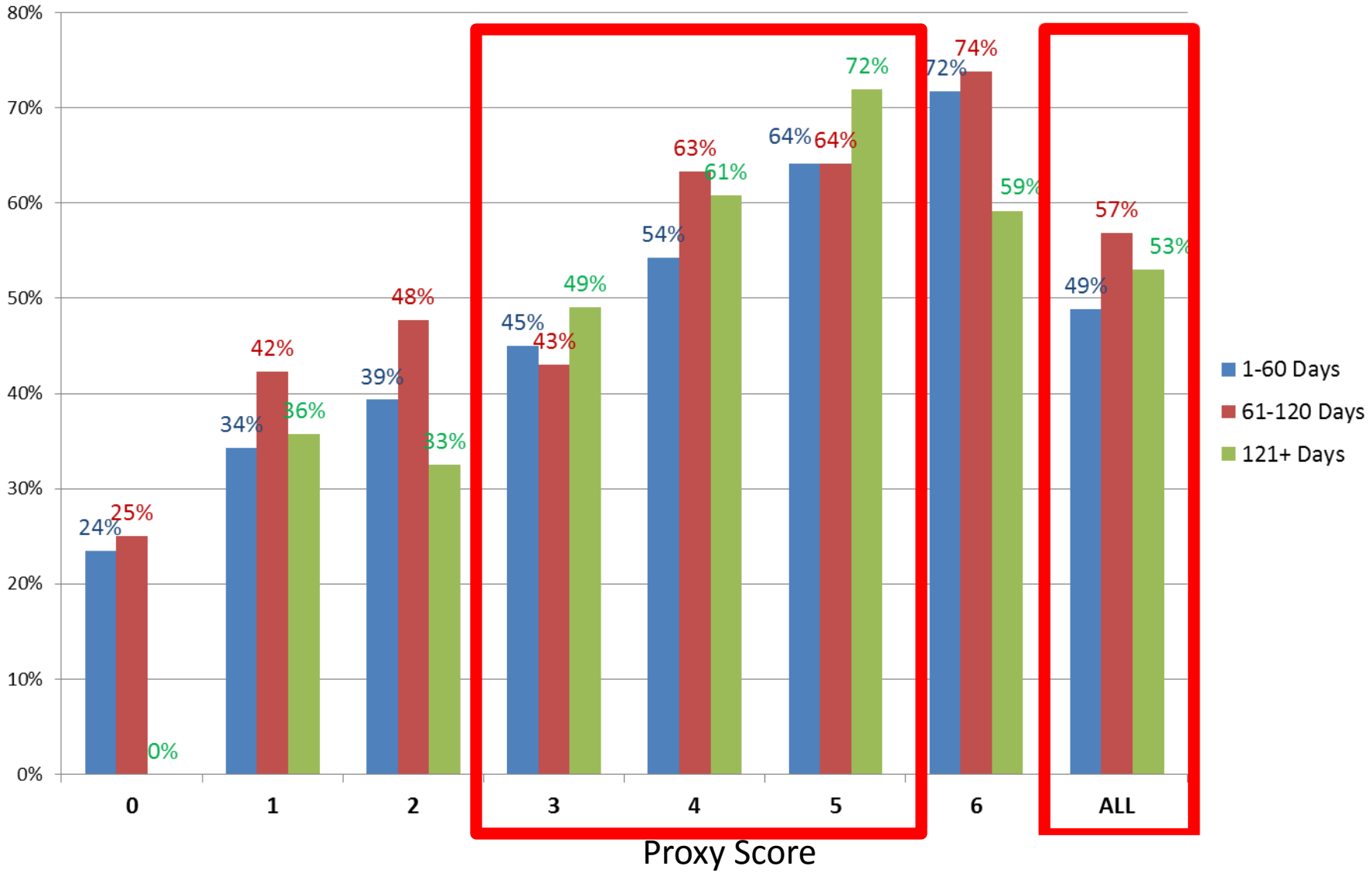
'Days' are counted from the beginning of a Booking until the earlier of:
- Release
  * or *
- The end of the Reporting Period

Report Category	# of Inmates	Average Days	Category Total Days	Percentage of Overall
1. Civil	3	59	178	0.40
2. Parole Only	30	64	1,931	4.80
5. Violent Felony	71	157	11,186	27.80
6. Non-Violent Felony	167	96	16,128	40.10
7. Misdemeanor	132	80	10,667	26.50
8. Other CPL	2	1	2	0.00
9. Violation or Lower	3	34	103	0.30

Unsentenced DCJ Inmates Released Locally at Least 1-Year Post Release (n=6644)

The Effect of DCJ Length of Stay on Recidivism

Recidivism by LOS for Unsentenced Inmates Released Locally (N=6644) with at least 1 year Post-Release



(NOTE: Only Proxy categories 3, 4, 5, and ALL have at least 50 releases in each group)

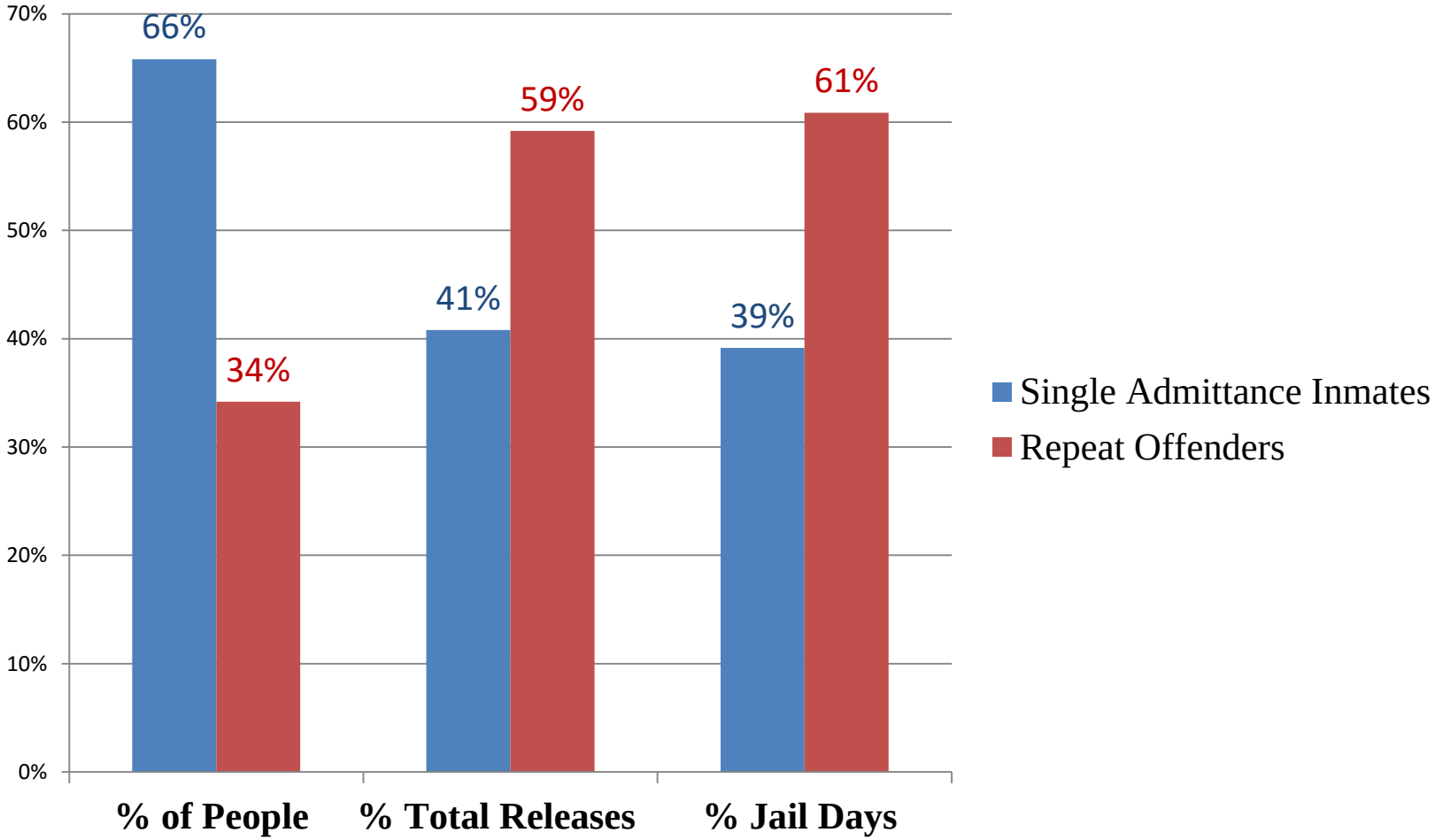
Dutchess County Jail Releases December 2011-November 2015

Recidivism Analyses of Singular Inmates (n=7471) Comprising All Releases (n=12050)

Dutchess County Jail Releases December 2011-November 2015

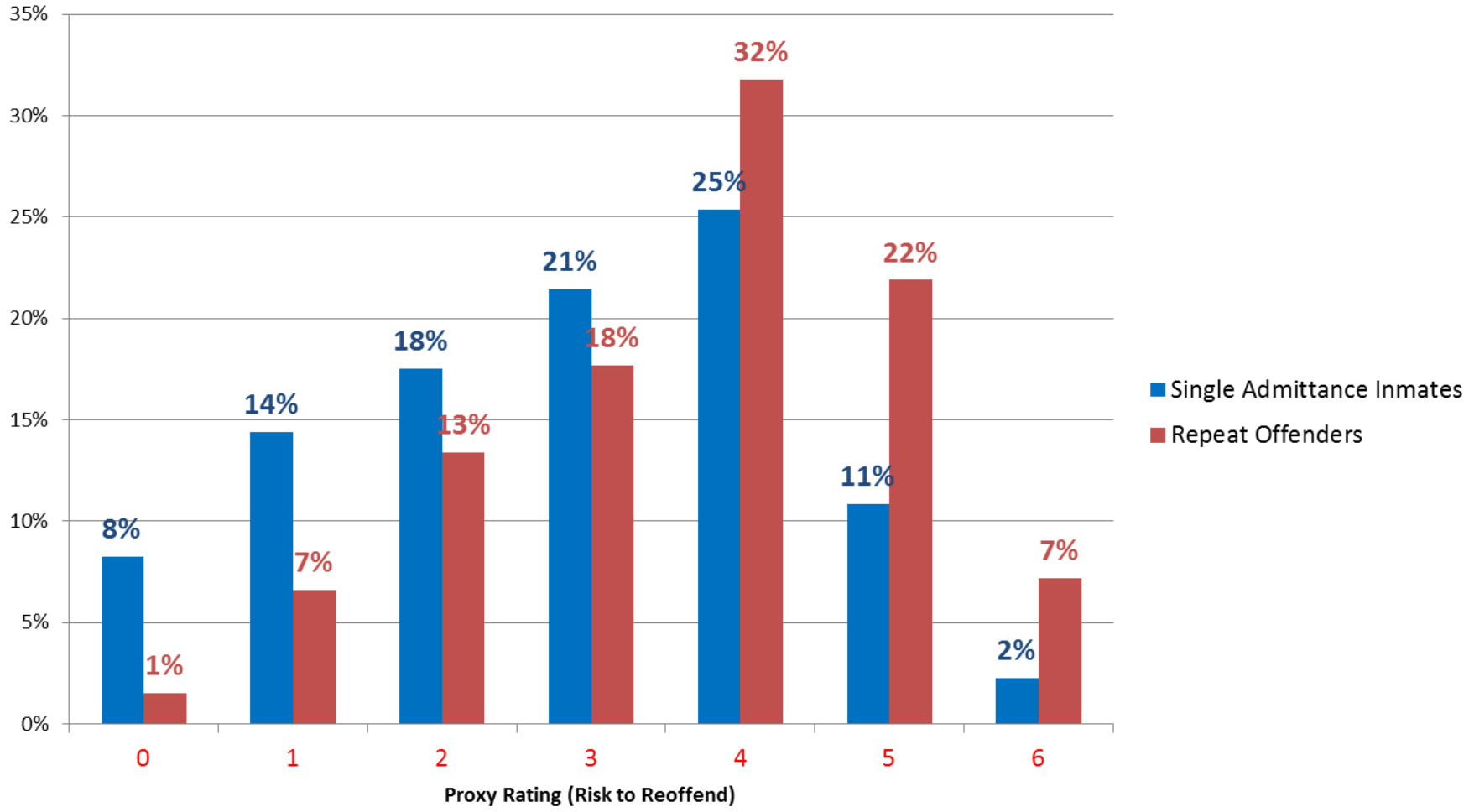
	# Inmates	# Total Releases	# Jail Days
Total Inmates	**7471**	**12050**	**584015**
Single Admittance Inmates	**4917**	**4917**	**228651**
Repeat Offenders	**2554**	**7133**	**355364**

Dutchess County Jail Releases
December 2011-November 2015
Comparison by % of Total Population



Dutchess County Jail Releases December 2011-November 2015

Comparison by Risk to Reoffend



Pending Research/Initiatives

Analysis of 100+ Day Population to Determine Conviction Rates and Improve Processing Times

Analysis of Forensic Assessment Process and Outcomes

Implementation of Repeatable Quality Assurance Processes Applied to Longer Term Inmates

Development of Research Protocol – RESTART and other programs

Questions?
Comments