

BJA Corrections Options Technical Assistance (COTA) Program

Analysis of Mental Health Population in Kansas Department of Corrections and Impact of Pathway Diversion Program

Report 1: Profile of Populations

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Overview

- **Overall Population Analysis**
- **Program Population Group Comparisons**
- **Next Step – Outcome Follow-up in Process**

Analysis of All Releases for Two Years

Releases from KDOC from July
1, 2002 to June 30, 2004
6,363

Computerized
data file
provided by
KDOC

**Offenders with Severe MH
Diagnoses**
1,111 or 17.4%

Offenders with MH Score of 3 or
higher – severe and persistent

**Offenders with No Severe
MH Diagnoses**
5,252 or 82.6%

Offenders with scores lower than
3 or no score (could be no data)

MI Offenders Slightly Younger and More Likely to Be Females Than Non-MI

Age Distribution

Age Distribution	Mentally III		Non-Mentally III	
25 Years or Less	143	12.8%	734	13.9%
26 - 35 Years	394	35.4%	1,770	33.7%
36 - 45 Years	330	29.7%	1,708	32.5%
46 - 55 Years	205	18.4%	844	16.0%
Over 55 Years	39	3.5%	196	3.7%
Total	1111	100%	5,252	100.0%

Gender Distribution

Gender	Mentally III		Non-Mentally III	
Female	133	12.0%	362	6.9%
Male	978	88.0%	4,890	93.1%
Total	1,111	100.0%	5,252	100.0%

Substance Abuse and Social Needs Higher for MI Population

Substance Abuse Score - Higher Score More Severe

Categories	Mentally Ill		Non-Mentally Ill	
No data	446	40.1%	2137	40.7%
Substance Abuse score less than 5	387	34.8%	1987	37.8%
Substance Abuse score of 5 or higher	278	25.0%	1128	21.5%
Total	1111	100.0%	5252	100.0%

Note: Not all offenders are assessed, leaving some significant gaps in the data

LSIR Score – Higher More Social Needs

Categories	Mentally Ill		Non-Mentally Ill	
No data	389	35.0%	1750	33.3%
LSIR score of 30 or less	429	38.6%	2792	53.2%
LSIR score of 31 or more	293	26.4%	710	13.5%
Total	1111	100.0%	5252	100.0%

Note: Not all offenders are assessed, leaving some significant gaps in the data

Slight Variations in Primary Offense of MI and Non-MI Population

Primary Offense Category

Categories	Mentally Ill		Non-Mentally Ill	
Drug Offense	278	25.0%	1659	31.6%
Other Offense	54	4.9%	223	4.2%
Person (Non Sex) Off	427	38.4%	2029	38.6%
Property Offense	164	14.8%	621	11.8%
Sex Offense	188	16.9%	720	13.7%
Total	1111	100.0%	5252	100.0%

The percentage of MI offenders who had a sex offense is slightly higher than for non-mentally ill offenders

MI Population Slightly Less Severe Offense Scores

**Severity Level
Non-Drug
Offenses**

**Lower Number
Equals Higher
Severity**

Categories	Mentally III		Non-Mentally III	
	Count	Percentage	Count	Percentage
Severity Levels 1 through 4	206	24.7%	1131	31.5%
Severity Levels 5 and 6	227	27.3%	875	24.4%
Severity Levels 7 through 10	369	44.3%	1463	40.7%
Non-grid (DUI)	29	3.5%	84	2.3%
Off-grid (Homicide)	2	0.2%	40	1.1%
Total	833	100.0%	3593	100.0%

**Severity Level
Drug Offenses**

**Lower Number
Equals Higher
Severity**

Categories	Mentally III		Non-Mentally III	
	Count	Percentage	Count	Percentage
Drug Severity Levels 1 or 2	58	20.9%	334	20.1%
Drug Severity Levels 3 or 4	220	79.1%	1325	79.9%
Total	278	100.0%	1659	100.0%

MI Population Slightly More Likely to Have a Prior Person Felony Record

Criminal History Groupings

Categories	Mentally III		Non-Mentally III	
No data	132	11.9%	885	16.9%
One or more person felonies	464	41.8%	2014	38.3%
Felony (non-person)	208	18.7%	929	17.7%
Misdemeanor offenses or no prior record	307	27.6%	1424	27.1%
Total	1111	100.0%	5252	100.0%

Recycling of Offenders Is High for Both Populations But Particularly for MI Offenders

Percentage of Offenders with More Than One Release During the Two Year Study Period

Mentally Ill

34.5%

Non-Mentally Ill

22.0%

Percentage of Offenders Serving Six Months or Less

Mentally Ill

51.9%

Non-Mentally Ill

45.7%

Summary Points

- **Demographics**
 - MI population is slightly younger and more likely to be females
- **“Needs”**
 - MI population has higher substance abuse and social needs as measured by KDOC instruments
- **Offense**
 - MI population has about the same offense distribution as non-mentally ill population but tend to have less severe offense scores and are more likely to be sex offenders
- **Criminal History**
 - MI population is more likely to have a prior person felony record
- **Recycle**
 - Time served is low for both groups since their last admission date and both have a high proportion of offenders that have been admitted more than once during the two year study period

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Comparison Groups

Participated in Pathway program and were released during the two year study period

38

MI released to Specialized PO

77

MI refused Specialized PO

32

MI Comparison

MH Score of 3 or higher, Substance Abuse Score of 5 or higher, released to in-state supervision during study period

98

All Other Releases

6,118

Pathway Group More Likely to Be Younger and Is Composed of All Males

Age and Gender

Age and Gender	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Percent of Group Age 26-35	52.6%	36.3%	28.1%	34.6%	33.8%
Percent of Group Female	0%	11.6%	6.2%	15.3%	7.6%
Group Size	38	77	32	98	6118

Males and younger offender tend to have higher recidivism rates and Pathway Group is disproportionately younger and male than the other groups

Pathway Group Lower Drug Abuse and Needs Scores Than Other MI Offender Groups

Substance Abuse and LSIR Score

Age and Gender	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Percent of Group in Higher/More Severe Substance Abuse Score	28.9%	41.5%	40.6%	100%	20.4%
Percent Missing Data	47.3%	18.1	28.1%	0%	41.5%
Percent of Group in Higher/More Needs LSIR Score	39.4%	51.9%	56.2%	63.2%	14.1%
Percent Missing Data	44.7%	18.1%	21.8%	0%	34.4%
Group Size	38	77	32	98	6118

There were a higher proportion of releases with more severe scores in all other groups, except in the All Other Releases group

MI Comparison was purposely selected to include all offenders with high substance abuse and needs scores

Pathway Group More Likely to Be Incarcerated for Sex Offense Felonies

Offense Type

Offense	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Percent of Group with Person Non-Sex Offense	55.3%	48.1%	71.9%	32.7%	38.3%
Percent of Group with Sex Offense	18.4%	3.9%	0%	3.1%	14.6%
Percent of Group with Drug Offense	21.1%	32.5%	9.4%	31.6%	30.6%
Group Size	38	77	32	98	6118

Refused Specialized group more likely to be incarcerated for person non-sex offenses

Pathway Group More Likely to Have One or More Person Felonies

Criminal History

Criminal History Group	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Percent of Group with One or More Person Felonies	57.9%	50.6%	46.9%	35.7%	38.7%
Percent Missing Data or Not Applicable	5.2%	13.0%	15.6%	8.2%	16.2%
Group Size	38	77	32	98	6118

All groups except the MI Comparison group are more likely to be incarcerated for person non-sex offenses than the 6,118 releases not in the study

All Groups Likely to Serve Less Than Six Months

Recycled Variables

	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Percent of Group with More Than One Release During Study Period	23.4%	38.9%	43.7%	47.9%	40.8%
Percent Missing Data	0%	0%	0%	0%	0%
Percent of Group Serving Six Months or Less in Most Recent Admission	60.5%	54.5%	56.2%	59.1%	46.3%
Percent Missing Data or Not Applicable	0%	0%	0%	1.0%	0.87%
Group Size	38	77	32	98	6118

Pathway Group less likely to have been released more than one time during the two year study period than other groups

MI Comparison Group Less Severe Offense Convictions Than Other Groups in Study

Severity Level for Non-Drug and Drug Offenses

Severity Level	Pathway	Specialized	Refused Specialized	MI Comparison	All Other Releases
Non-Drug Offenders Severity Levels 1 through 4	23.7%	15.6%	34.4%	4.1%	21.3%
Non-Drug Offenders Severity Levels 5 through 6	31.6%	20.8%	18.8%	13.3%	17.2%
Non-Drug Offenders Severity Levels 7 through 10	23.7%	28.5%	37.5%	43.9%	28.5%
Offgrid (Homicide)	0.0%	2.6%	0.0%	0.0%	0.7%
Nongrid (DUI)	0.0%	0.0%	0.0%	7.1%	1.7%
Drug Offenders Severity Levels 1 or 2	0%	9.1%	6.2%	4.1%	6.2%
Drug Offenders Severity Levels 3 or 4	21.0%	23.4%	3.1%	27.5%	24.4%
Group Size	38	77	32	98	6118

Summary Points

- **Pathway Group**

- Younger and all male
- Lower drug abuse and needs score than other MI offender groups
- More likely to be incarcerated for sex offense felonies
- More likely to have one or more person felonies

- **Time Served**

- All groups likely to serve six months or less from most recent admission
- Pathway Group less likely to have being released more than one time during the two year study period

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Follow-up Information – Criminal History

CRIMINAL HISTORY INDICATORS:

How many times was the offender arrested since his/her release date above?

G 0 Times G 1 Time G 2 Times G 3 Times G 4 or More Times

What was the date of the first arrest since his/her release date above? _____

Did the offender spend time in jail as a sanction since his/her release date above? G Yes G No

If so, how many times was this sanction applied? G 1 Time G 2 Times G 3 Times G 4 or More

If so, how many days total were spent in jail? _____

Was this offender charged with a new offense since his/her release date above? G Yes G No

If so, was the offender convicted? G Yes G No

What offense(s) were committed? _____

Was this offender revoked to a KDOC facility since his/her release date above? G Yes G No

If so, how many times was the offender revoked? G 1 Time G 2 Times G 3 Times G 4 or More

If so, what was the date of the first revocation since the release date above? _____

Follow-up: Social Service Indicators

SOCIAL SERVICE INDICATORS:

Did the offender receive SSI (Supplemental Security Income) upon release? Yes No

If not upon release, did the offender receive SSI eventually? Yes No

If so, how long after release? _____

Was the offender employed during the period of supervision? Yes No

If so, how often? _____

What housing did this offender have upon release?

Residential Placement with Family with Friends Shelter Other

Did the type of housing change from above? Yes No

If so, how did it change?

Residential Placement with Family with Friends Shelter Other

If so, when did it change? _____

Follow-up: MI Indicators

MENTAL ILLNESS INDICATORS:

When was the offender's first appointment with a mental health center after release from KDOC?

0-7 days 8-14 days 15-21 days 22-28 days More than 28 days

Was the offender diagnosed as Severely and Persistently Mentally Ill (SPMI) by the community mental health center?

Yes No

Did the diagnosis change from the diagnosis at KDOC to the community's diagnosis?

Yes No

What mental health diagnosis did this person have (whether by the facility's mental health provider or the community mental health center)? _____

Since the release date above, how would you characterize the offender's compliance with taking his/her medications?

Full compliance Mostly complied Sporadic compliance Difficulty with compliance

Since the release date above, how would you characterize the offender's compliance with a required treatment program?

Full compliance Mostly complied Sporadic compliance Difficulty with compliance

Since the release date above, how would you characterize the offender's compliance with administrative rules of supervision?

Full compliance Mostly complied Sporadic compliance Difficulty with compliance

Did the offender test positive for a Urine Analysis since the release date above?

Yes No

If so, how many times? _____

Data and Design Limits Analysis

Groups Cannot Be “Matched” Due to Size of Study Groups and Data Limitations

Preferable Design Would Match Groups Along Key Indicators

**Pathway
Program
Releasees**

**“Matched”
Group Along
Key Indicators**

Outcomes

Expected Recidivism Based of Characteristics and Assuming No Program Impact

- **Pathway Group should have highest recidivism rate**
 - Based on age, gender and prior criminal history
 - All males, younger offenders, with one or more person felonies
- **MI Comparison Group should have second highest recidivism rate**
 - Based on distribution of offenders by age, needs score and highest severity for non-person felonies
 - Third percent of younger offenders, highest percent of offenders in the highest drug abuse and needs score, and the most severe category of non-person felonies

Thank You