Miami -Dade PowerBi Dashboards

Victor Vasconcelos – Angella Gilles

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June 20th, 2023

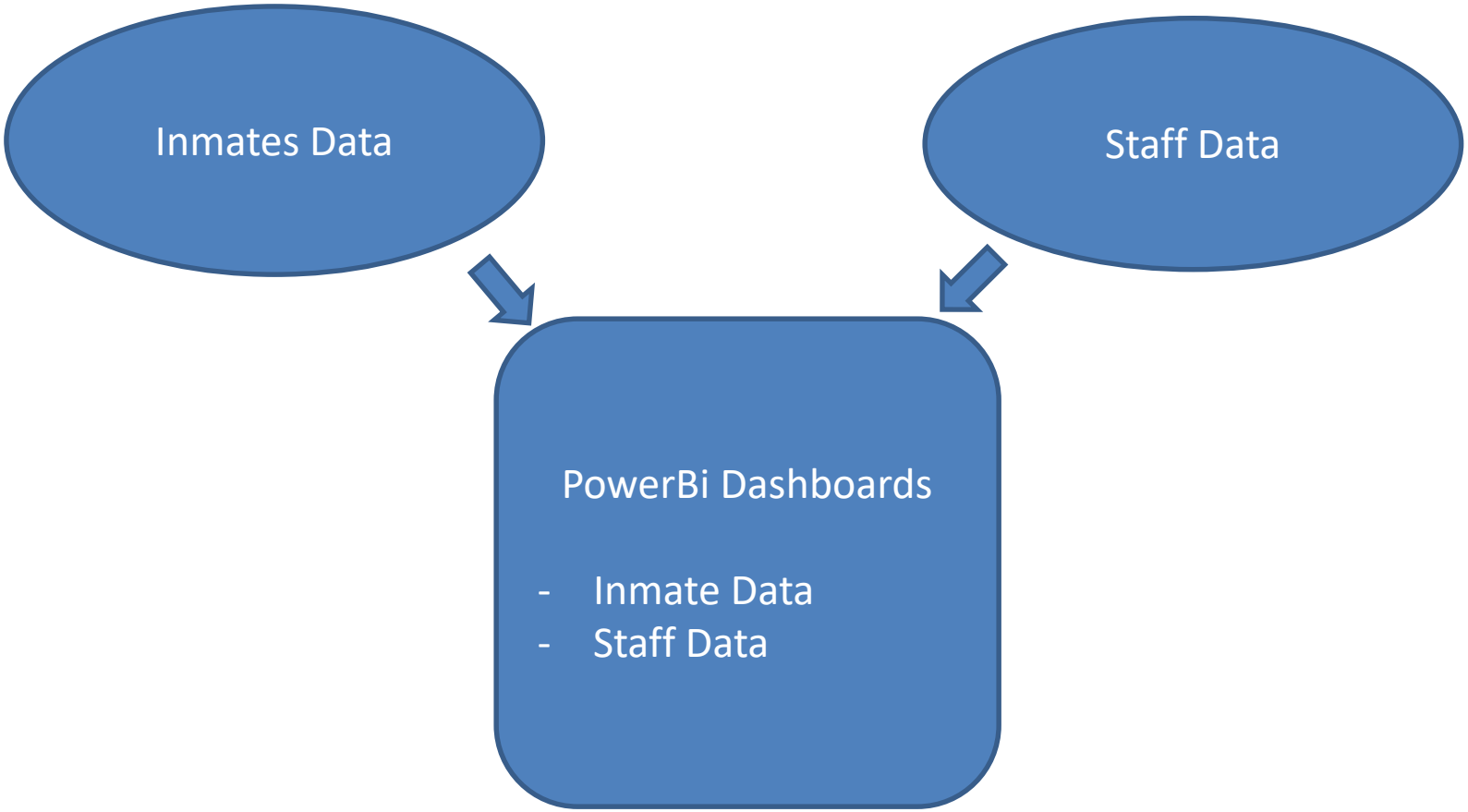
Why PowerBi

- Cloud-based Solution: Power BI is a cloud-based solution, which means that users can access their reports and dashboards from anywhere with an internet connection. This enables users to work remotely and collaborate with others in real-time, improving overall productivity and flexibility.
- Scalability: Power BI is highly scalable and can handle large amounts of data. This makes it a suitable choice for organizations of all sizes and types
- Customizability: Power BI is highly customizable and allows users to create custom visualizations and reports tailored to their specific needs. This makes it a suitable choice for organizations that need to present data in a unique and specific way.
- Security Features: Power BI provides robust security features, such as role-based access control, data encryption, and compliance with industry standards, to protect sensitive data.
- Power BI and Azure are both products from Microsoft that are designed to work together to provide a complete business intelligence solution.

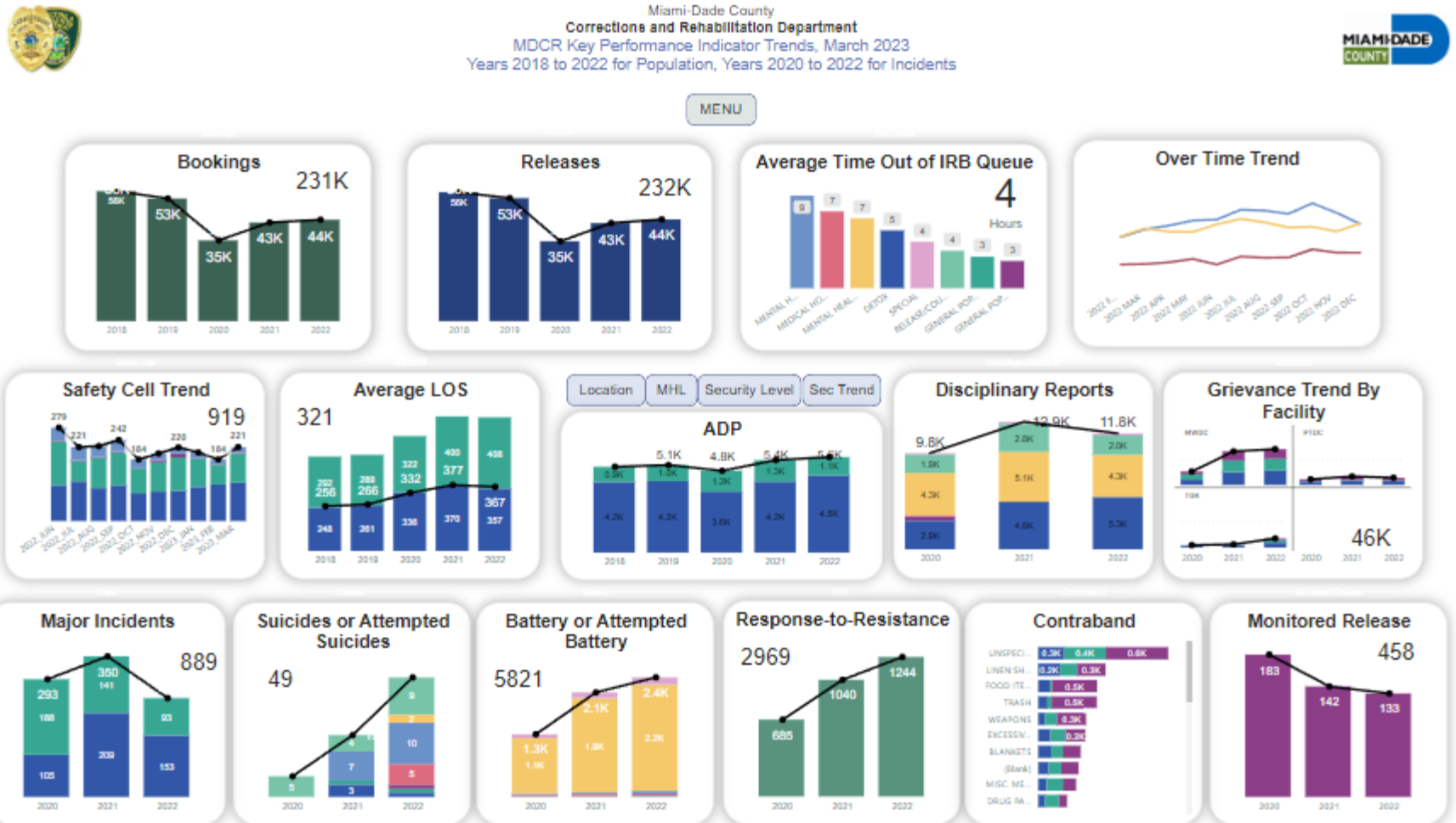
PowerBi as Decision Support Systems

- Power BI Dashboards can be a valuable tool for decision support systems (DSS) because they provide users with a visual representation of their data that can be easily understood and analyzed. Dashboards are a collection of visualizations that are designed to provide a high-level overview of data trends and patterns. This makes it easy for decision-makers to quickly identify key insights and make informed decisions
- Power BI Dashboards allow users to easily customize their views and filter data based on specific criteria. This makes it easy to drill down into specific data points and analyze data at a more granular level.
- By integrating Power BI with Azure Machine Learning and Azure Cognitive Services, users can create decision support systems that provide advanced analytics and machine learning capabilities. This enables users to gain deeper insights into their data, make more informed decisions, and take appropriate actions based on those insights.
- Power BI Dashboards in the cloud can be accessed from anywhere with an internet connection, making it easy for users to view and analyze data from anywhere . This is particularly useful for users who need to access data while on-the-go.

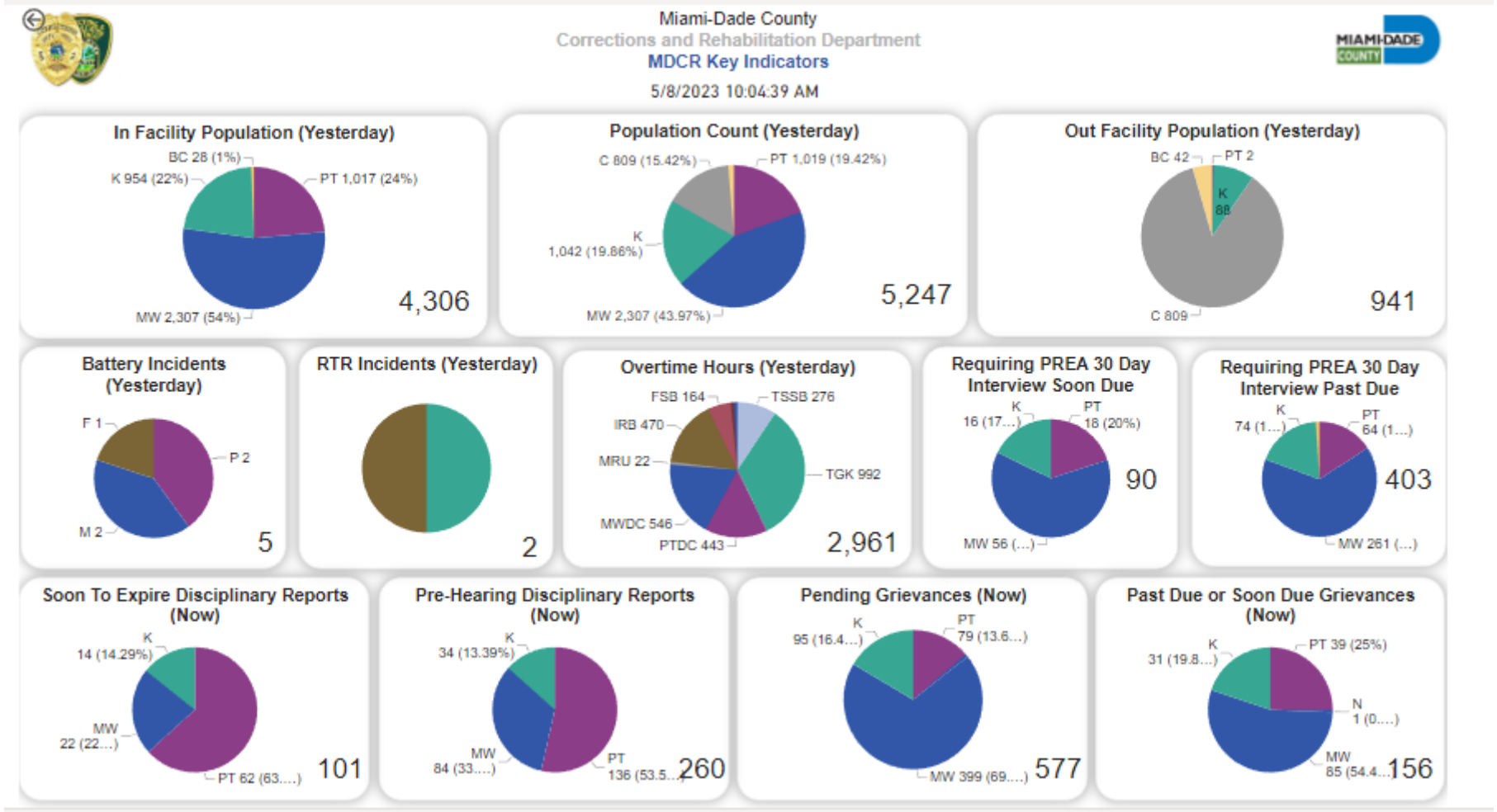
Miami-Dade PowerBi Dashboards



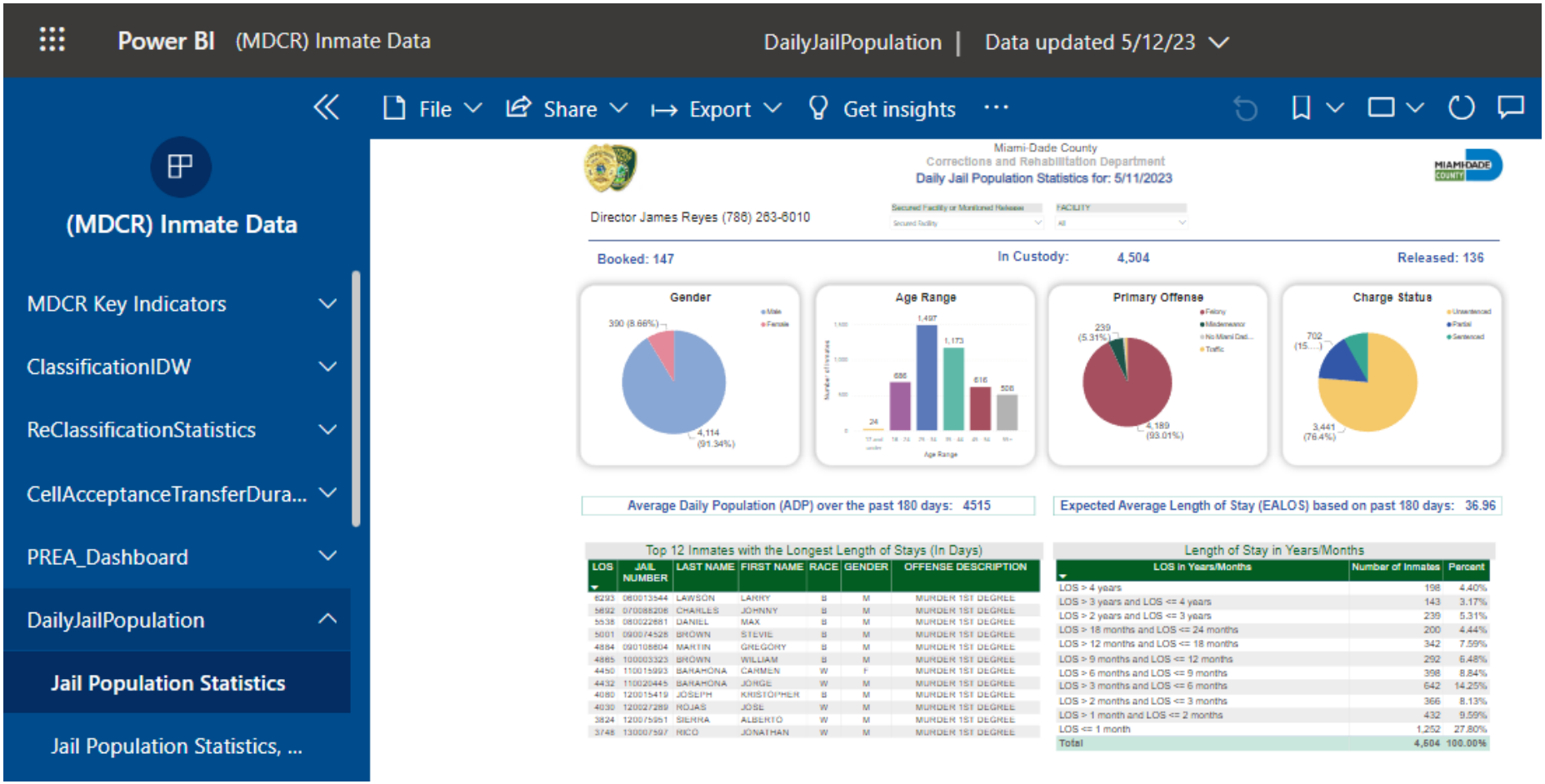
Inmate Data


Miami-Dade County
Corrections and Rehabilitation Department
MDCR Key Performance Indicator Trends, March 2023
Years 2018 to 2022 for Population, Years 2020 to 2022 for Incidents
MENU
Bookings
231K
53K
35K
43K
44K
Releases
232K
53K
35K
43K
44K
Average Time Out of IRB Queue
4
Hours
Over Time Trend
Safety Cell Trend
919
Average LOS
321
Location
MHL
Security Level
Sec Trend
ADP
Disciplinary Reports
9.8K
12.9K
11.8K
Grievance Trend By Facility
46K
Major Incidents
889
Suicides or Attempted Suicides
49
Battery or Attempted Battery
5821
Response-to-Resistance
2969
685
1040
1244
Contraband
Monitored Release
458
183
142
133

Inmate Data


Miami-Dade County
Corrections and Rehabilitation Department
MDCR Key Indicators
5/8/2023 10:04:39 AM
In Facility Population (Yesterday)
BC 28 (1%)
K 954 (22%)
PT 1,017 (24%)
MW 2,307 (54%)
4,306
Population Count (Yesterday)
C 809 (15.42%)
PT 1,019 (19.42%)
K 1,042 (19.86%)
MW 2,307 (43.97%)
5,247
Out Facility Population (Yesterday)
BC 42
PT 2
K 88
C 809
941
Battery Incidents (Yesterday)
F 1
P 2
M 2
5
RTR Incidents (Yesterday)
2
Overtime Hours (Yesterday)
FSB 164
TSSB 276
IRB 470
MRU 22
TGK 992
MWDC 546
PTDC 443
2,961
Requiring PREA 30 Day Interview Soon Due
K 16 (17...)
PT 18 (20%)
MW 56 (...)
90
Requiring PREA 30 Day Interview Past Due
K 74 (1...)
PT 64 (1...)
MW 261 (...)
403
Soon To Expire Disciplinary Reports (Now)
K 14 (14.29%)
MW 22 (22...)
PT 62 (63....)
101
Pre-Hearing Disciplinary Reports (Now)
K 34 (13.39%)
MW 84 (33....)
PT 136 (53.5...)
260
Pending Grievances (Now)
K 95 (16.4...)
PT 79 (13.6...)
MW 399 (69....)
577
Past Due or Soon Due Grievances (Now)
K 31 (19.8...)
PT 39 (25%)
N 1 (0....)
MW 85 (54.4...)
156

Inmate Data

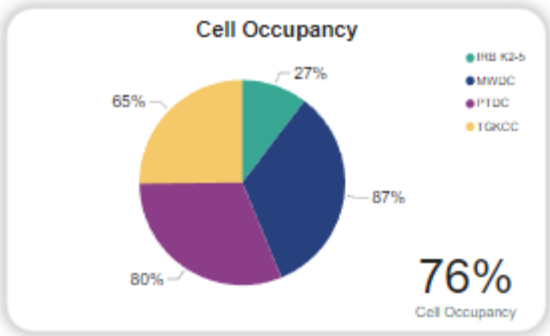

Power BI (MDCR) Inmate Data
DailyJailPopulation | Data updated 5/12/23
File
Share
Export
Get insights
(MDCR) Inmate Data
MDCR Key Indicators
ClassificationIDW
ReClassificationStatistics
CellAcceptanceTransferDura...
PREA_Dashboard
DailyJailPopulation
Jail Population Statistics
Jail Population Statistics, ...
Miami-Dade County
Corrections and Rehabilitation Department
Daily Jail Population Statistics for: 5/11/2023
Director James Reyes (786) 263-6010
Booked: 147
In Custody: 4,504
Released: 136
Gender
Age Range
Primary Offense
Charge Status
Average Daily Population (ADP) over the past 180 days: 4515
Expected Average Length of Stay (EALOS) based on past 180 days: 36.96
Top 12 Inmates with the Longest Length of Stays (In Days)
Length of Stay in Years/Months

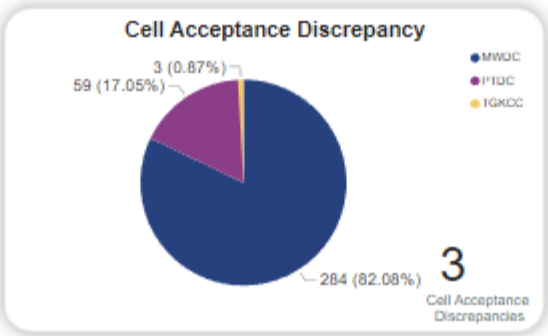
Inmate Data

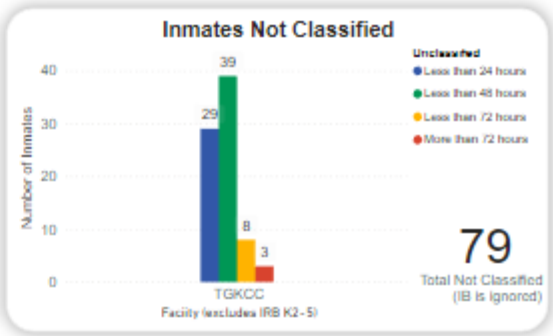
Miami-Dade County
Corrections and Rehabilitation Department
Classification Dashboard

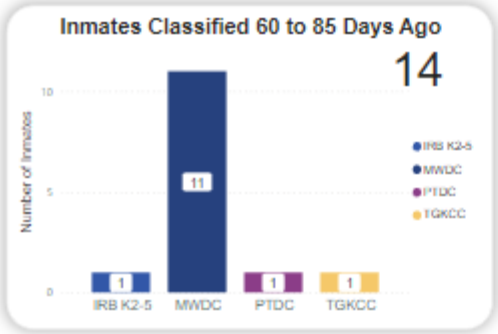
5/12/2023 4:04:25 AM

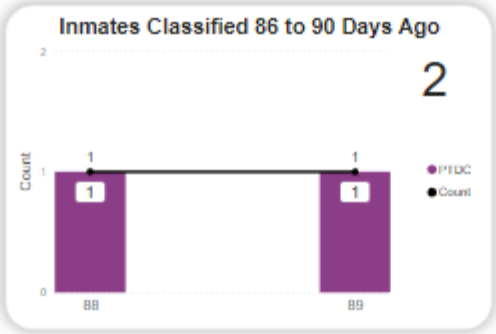
4,379
In Facility Inmates

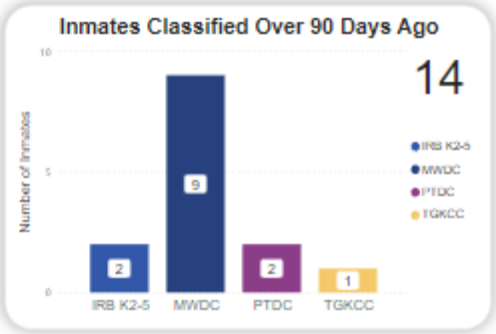












Inmate History Summary

Report Menu

IDW Data date: 5/12/2023 4:00:04 AM

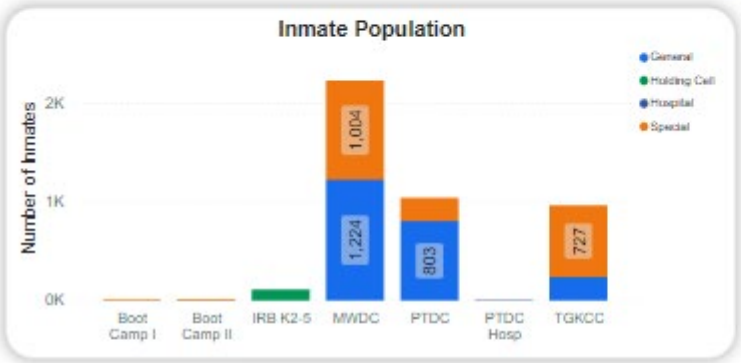
Run date: 5/12/2023 7:50:03 AM

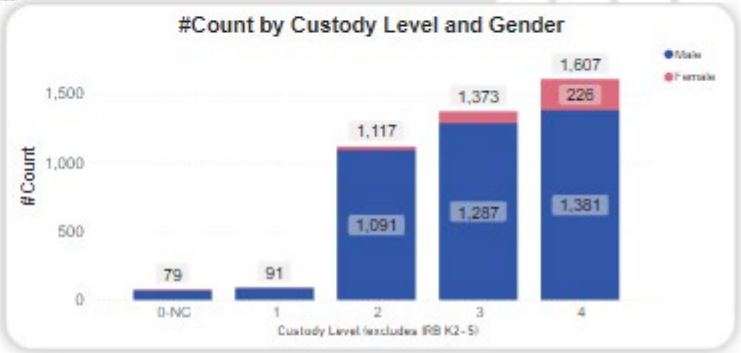
Inmate Data

Miami-Dade County
Corrections and Rehabilitation Department
Housing Dashboard

5/12/2023 7:05:32 AM

4,379
In Facility Inmates



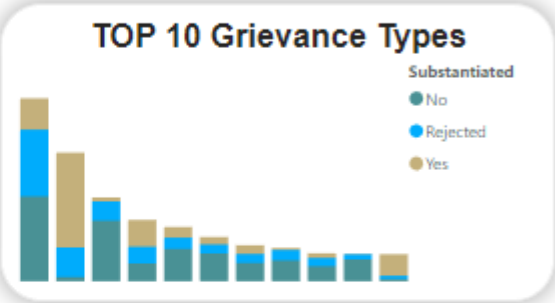


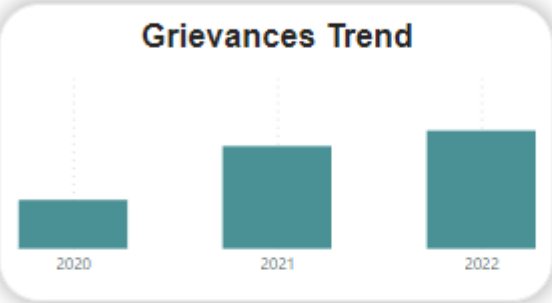
Report Menu

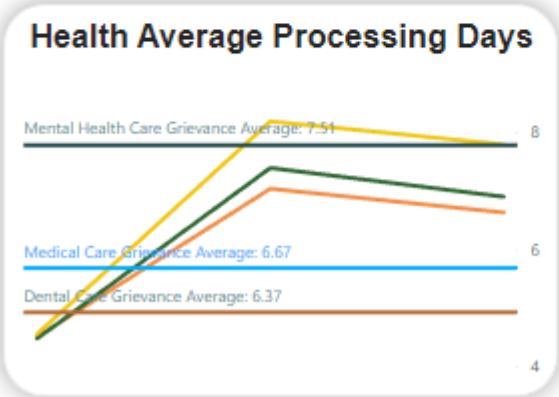
Inmate Data

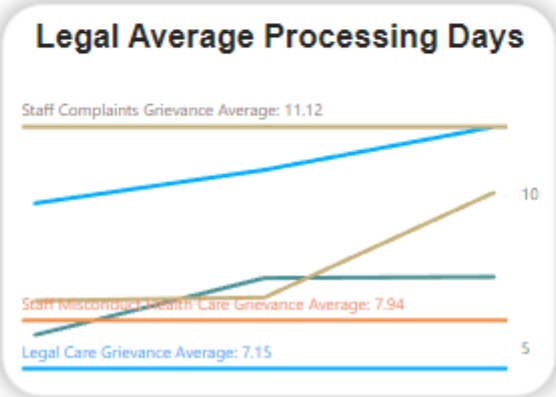
Miami-Dade County
Corrections and Rehabilitation Department
Grievances for DOJ, March 2023
Years 2020 to 2022

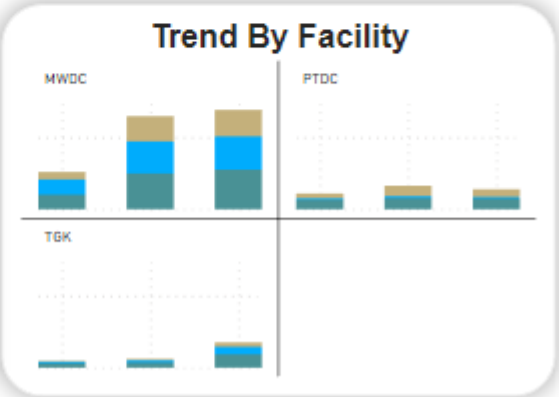
46K



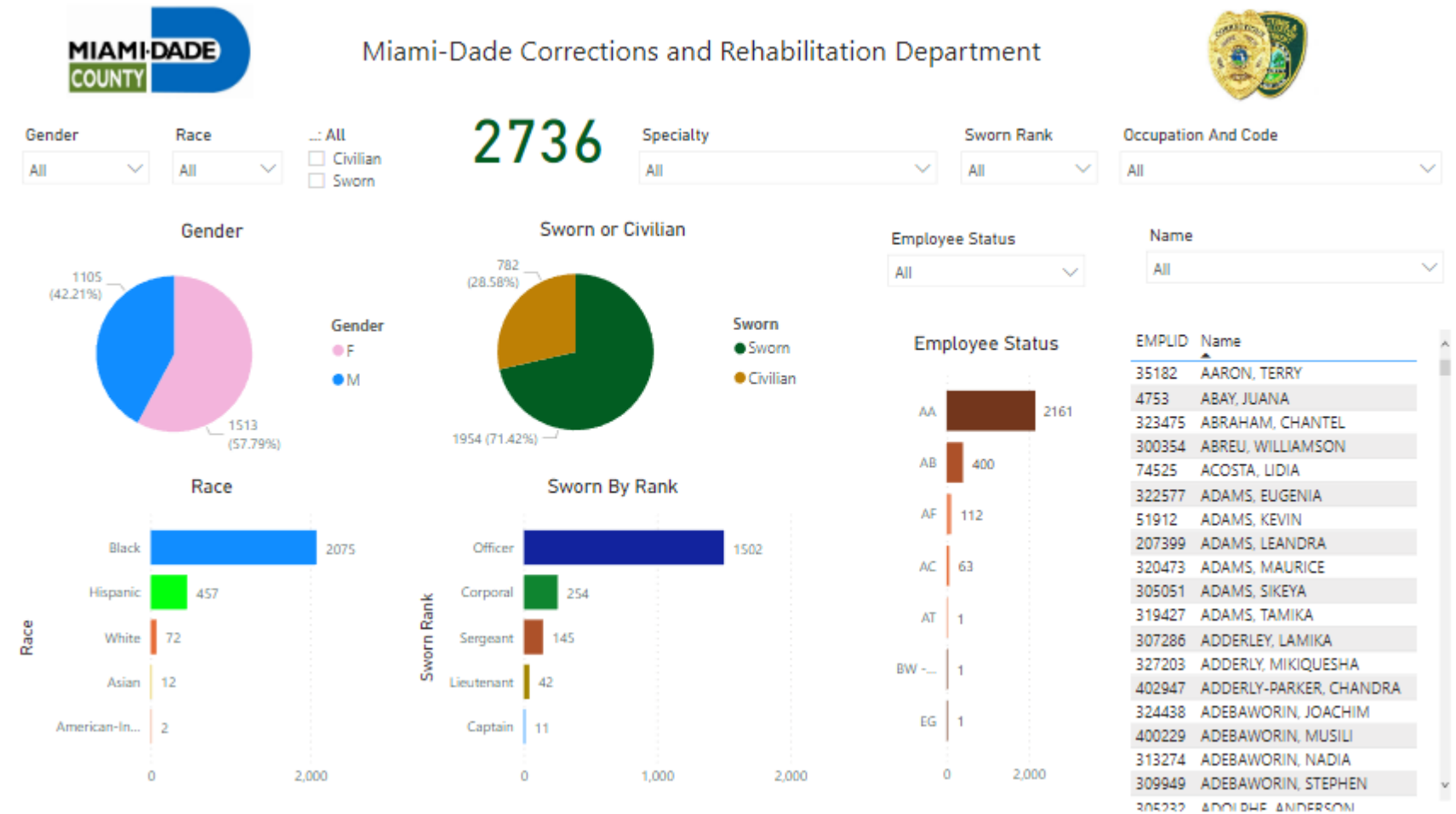








Staff Data


MIAMI-DADE COUNTY
Miami-Dade Corrections and Rehabilitation Department
Gender
All
Race
All
All
Civilian
Sworn
2736
Specialty
All
Sworn Rank
All
Occupation And Code
All
Gender
1105 (42.21%)
1513 (57.79%)
Gender
F
M
Sworn or Civilian
782 (28.58%)
1954 (71.42%)
Sworn
Sworn
Civilian
Employee Status
All
Name
All
Race
Black 2075
Hispanic 457
White 72
Asian 12
American-In... 2
0
2,000
Sworn By Rank
Officer 1502
Corporal 254
Sergeant 145
Lieutenant 42
Captain 11
Sworn Rank
0
1,000
2,000
Employee Status
AA 2161
AB 400
AF 112
AC 63
AT 1
BW -... 1
EG 1
0
2,000
EMPLID Name
35182 AARON, TERRY
4753 ABAY, JUANA
323475 ABRAHAM, CHANTEL
300354 ABREU, WILLIAMSON
74525 ACOSTA, LIDIA
322577 ADAMS, EUGENIA
51912 ADAMS, KEVIN
207399 ADAMS, LEANDRA
320473 ADAMS, MAURICE
305051 ADAMS, SIKEYA
319427 ADAMS, TAMIKA
307286 ADDERLEY, LAMIKA
327203 ADDERLY, MIKIQUESHA
402947 ADDERLY-PARKER, CHANDRA
324438 ADEBAWORIN, JOACHIM
400229 ADEBAWORIN, MUSILI
313274 ADEBAWORIN, NADIA
309949 ADEBAWORIN, STEPHEN

Quick Overtime Analysis

Roster Date: 2/1/2022 – 2/28/2022 | Pay Period: All | Occupation: Correctional Officer | Region: All | Station: *PTDC Operations Day Shift

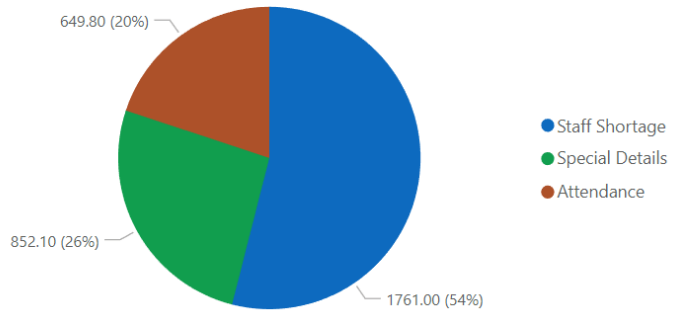
Algorithm

Aggregate Update Date
5/12/2023 6:19:59 AM

Special Details Break Down | Attendance Break Down | Staff Shortage Analysis

Overtime Summary

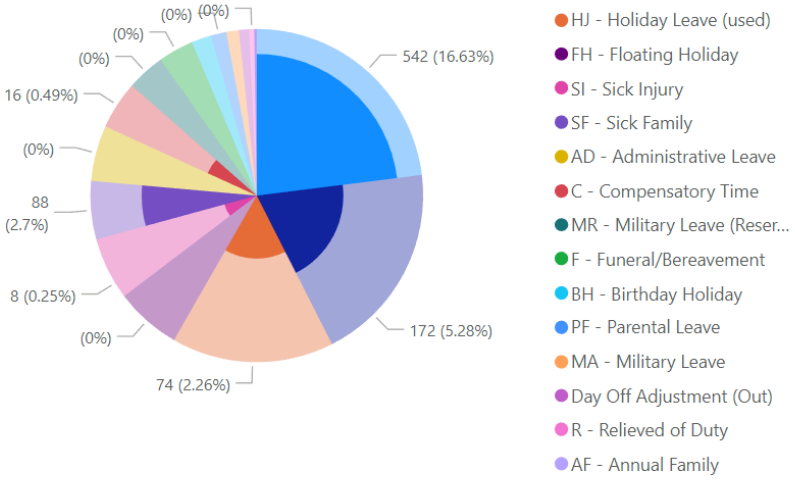
PayPeriod	RosterDate	OverTime	Staff Shortage	Special Details	Attendance
PP12	02/28/2022	161.75	151.55	10.20	0.00
PP12	02/27/2022	312.00	0.00	168.00	136.00
PP12	02/26/2022	258.00	21.15	96.00	140.85
PP12	02/25/2022	158.00	135.55	22.45	0.00
PP12	02/24/2022	80.50	80.50	0.00	0.00
PP12	02/23/2022	112.00	112.00	0.00	0.00
PP12	02/22/2022	94.00	94.00	0.00	0.00
PP12	02/21/2022	95.50	95.50	0.00	0.00
PP11	02/20/2022	144.00	0.00	48.00	96.00
PP11	02/19/2022	179.50	21.15	92.00	66.35
PP11	02/18/2022	160.00	135.55	24.45	0.00
PP11	02/17/2022	56.00	56.00	0.00	0.00
PP11	02/16/2022	32.00	32.00	0.00	0.00
PP11	02/15/2022	97.00	97.00	0.00	0.00
PP11	02/14/2022	72.00	72.00	0.00	0.00
PP11	02/13/2022	152.00	0.00	96.00	56.00
PP11	02/12/2022	174.75	21.15	95.00	58.60
PP11	02/11/2022	64.00	64.00	0.00	0.00
Total		**3,280.25**	**1,761.00**	**852.10**	**649.80**



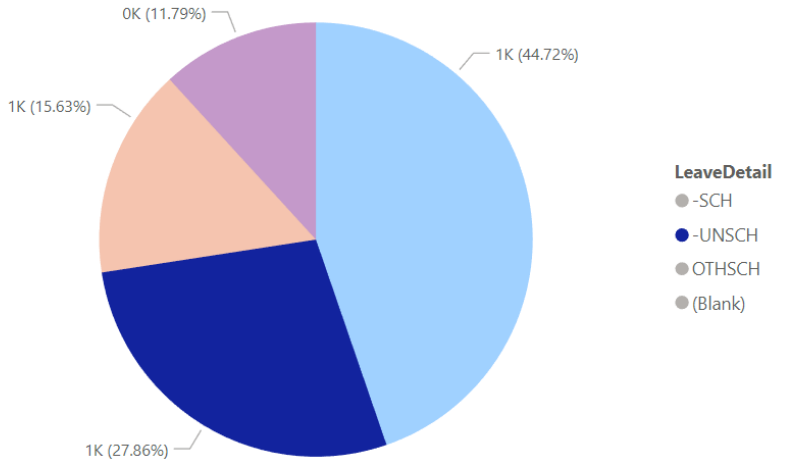
Quick Leave Analysis

Roster Date: 2/1/2022 – 2/28/2022 | Pay Period: All | Occupation: Correctional Officer | Region: All | Station: *PTDC Operations Day Shift

Attendance Hours by Leave Type



Attendance Hours by Leave Detail



Special Detail Analysis

Roster Date: 2/1/2022 – 2/28/2022

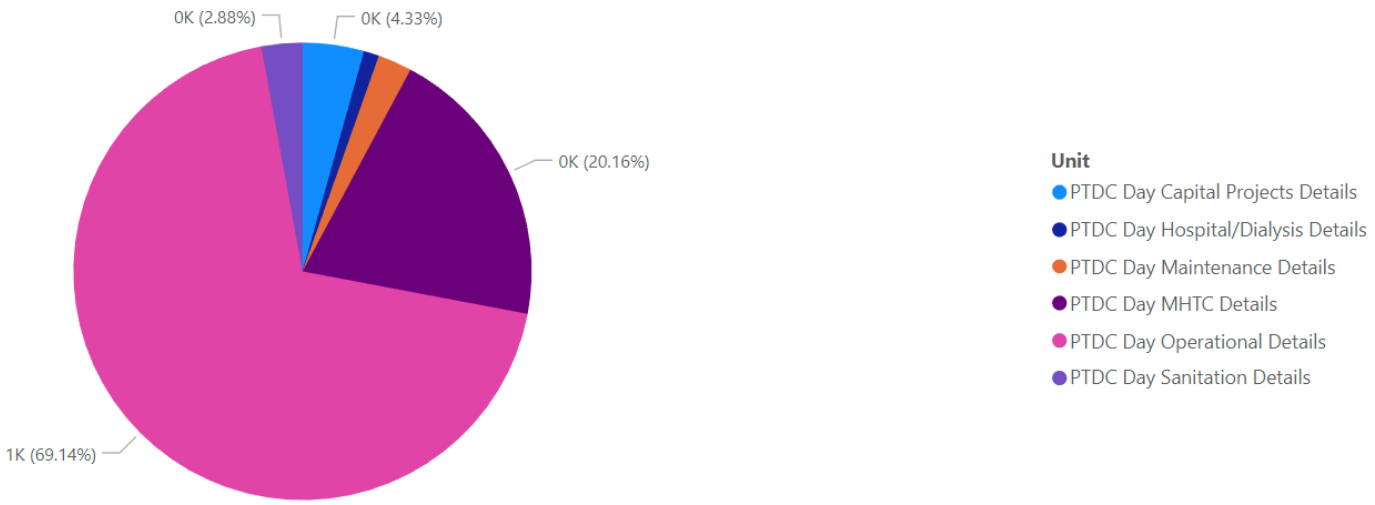
Pay Period: All

Occupation: Correctional Officer

Region: All

Station: *PTDC Operations Day Shift

Special Detail Hours by Unit



PayPeriod	Roster Date	Start	End	Name	Unit	Post Description	Special Detail
PP12	02/28/2022	2/28/2022 12:00:00 PM	2/28/2022 8:00:00 PM	JONES, KATILYA T.	PTDC Day Operational Details	1 ON 1 INMATE D. PANAQUE	
PP12	02/28/2022	2/28/2022 12:00:00 PM	2/28/2022 8:00:00 PM	POLLARD, PAUL C.	PTDC Day MHTC Details	Clinic Levels	
PP12	02/28/2022	2/28/2022 12:00:00 PM	2/28/2022 8:00:00 PM	HARRELL, DAMOND K.	PTDC Day Operational Details	ELEVATOR DETAIL	
PP12	02/28/2022	2/28/2022 12:00:00 PM	2/28/2022 8:00:00 PM	MYERS, KATRINA L.	PTDC Day Operational Details	ELEVATOR DETAIL	
PP12	02/27/2022	2/27/2022 12:00:00 PM	2/27/2022 8:00:00 PM	OCCEAN, DUVAL	PTDC Day Operational Details	3RD FLR ONE ON ONE DETAIL	
PP12	02/27/2022	2/27/2022 12:00:00 PM	2/27/2022 8:00:00 PM	DRAYTON, SONEIA T.	PTDC Day Operational Details	C11	
Total							

Staff Balance Analysis

Occupation: Correctional Officer

Station: *PTDC Operations Day Shift

Roster Date: This - Week

5/7/2023 - 5/13/2023

Staff Shortage Analysis

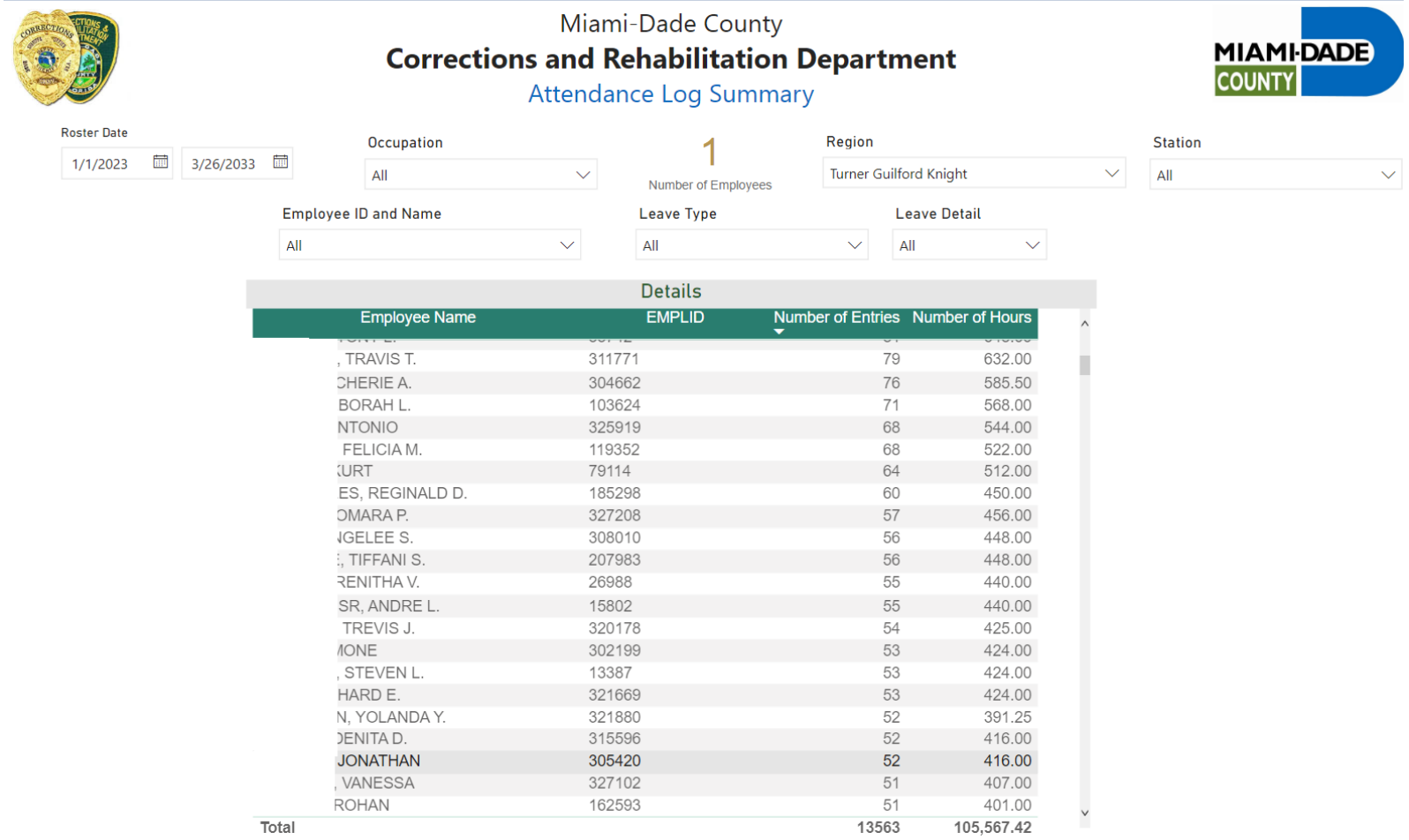
Occupation	Unit	PositionType	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Correctional Officer	*PTDC Operations Day Shift	Posts	50	72	72	72	72	72	50
		PAR	58	64	62	64	66	66	55
		Off	13	13	12	19	8	11	1

Totals

PositionType	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Posts	50	72	72	72	72	72	50
PAR	58	64	62	64	66	66	55
Off	13	13	12	19	8	11	1

Shortage	Overage	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Shortage	Overage	-5	-21	-22	-27	-14	-17	4

Attendance Review



Miami-Dade County

Corrections and Rehabilitation Department

Attendance Log Summary

Roster Date: 1/1/2023 – 3/26/2033

Occupation: All

1
Number of Employees

Region: Turner Guilford Knight

Station: All

Employee ID and Name: All

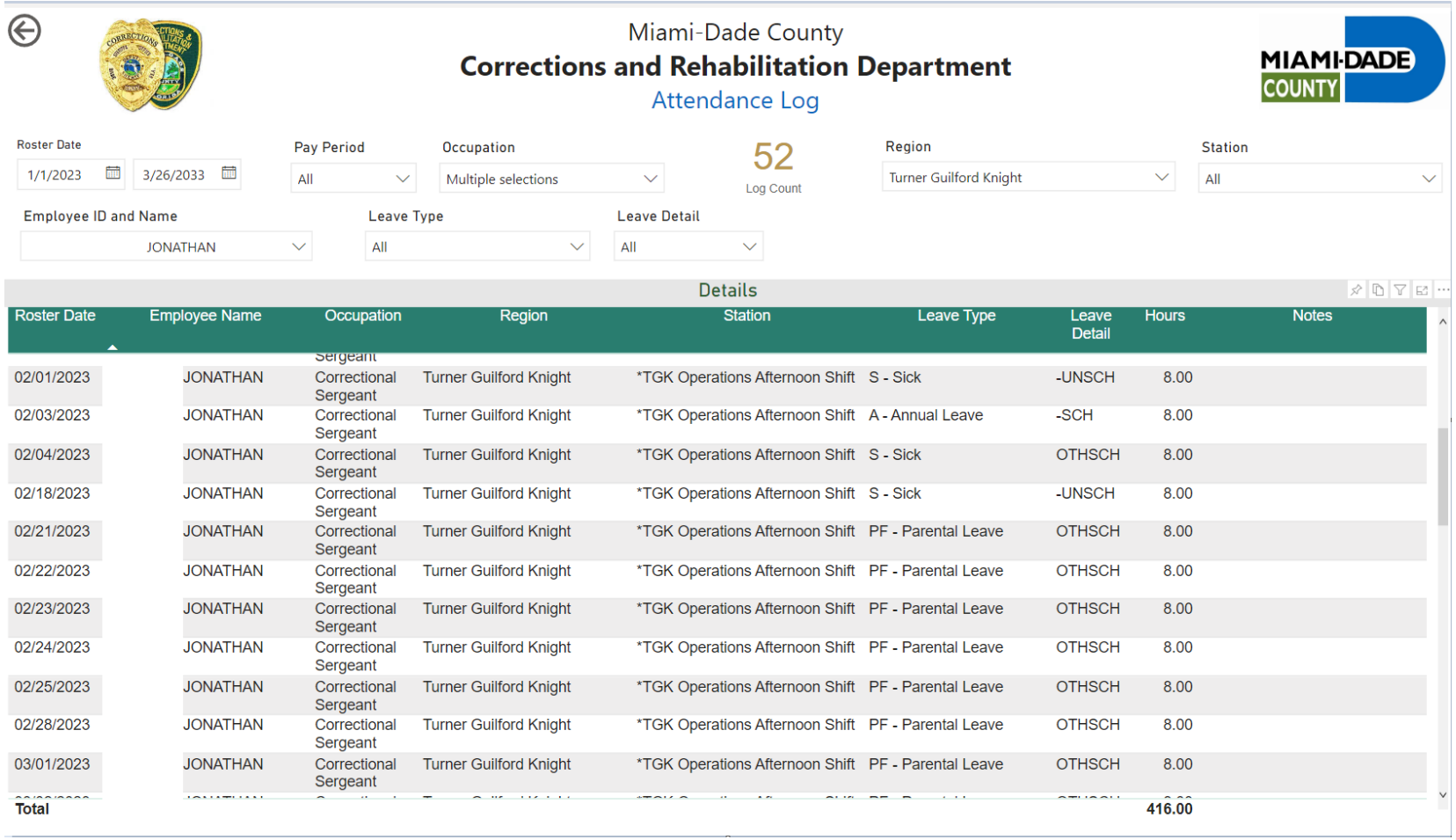
Leave Type: All

Leave Detail: All

Details

Employee Name	EMPLID	Number of Entries	Number of Hours
, TRAVIS T.	311771	79	632.00
CHERIE A.	304662	76	585.50
BORAH L.	103624	71	568.00
NTONIO	325919	68	544.00
FELICIA M.	119352	68	522.00
URT	79114	64	512.00
ES, REGINALD D.	185298	60	450.00
OMARA P.	327208	57	456.00
NGELEE S.	308010	56	448.00
, TIFFANI S.	207983	56	448.00
RENITHA V.	26988	55	440.00
SR, ANDRE L.	15802	55	440.00
TREVIS J.	320178	54	425.00
MONE	302199	53	424.00
, STEVEN L.	13387	53	424.00
HARD E.	321669	53	424.00
N, YOLANDA Y.	321880	52	391.25
DENITA D.	315596	52	416.00
JONATHAN	305420	52	416.00
, VANESSA	327102	51	407.00
ROHAN	162593	51	401.00
Total		13563	105,567.42

Individual Review



Miami-Dade County

Corrections and Rehabilitation Department

Attendance Log

Roster Date: 1/1/2023 – 3/26/2033

Pay Period: All

Occupation: Multiple selections

52 Log Count

Region: Turner Guilford Knight

Station: All

Employee ID and Name: JONATHAN

Leave Type: All

Leave Detail: All

Details

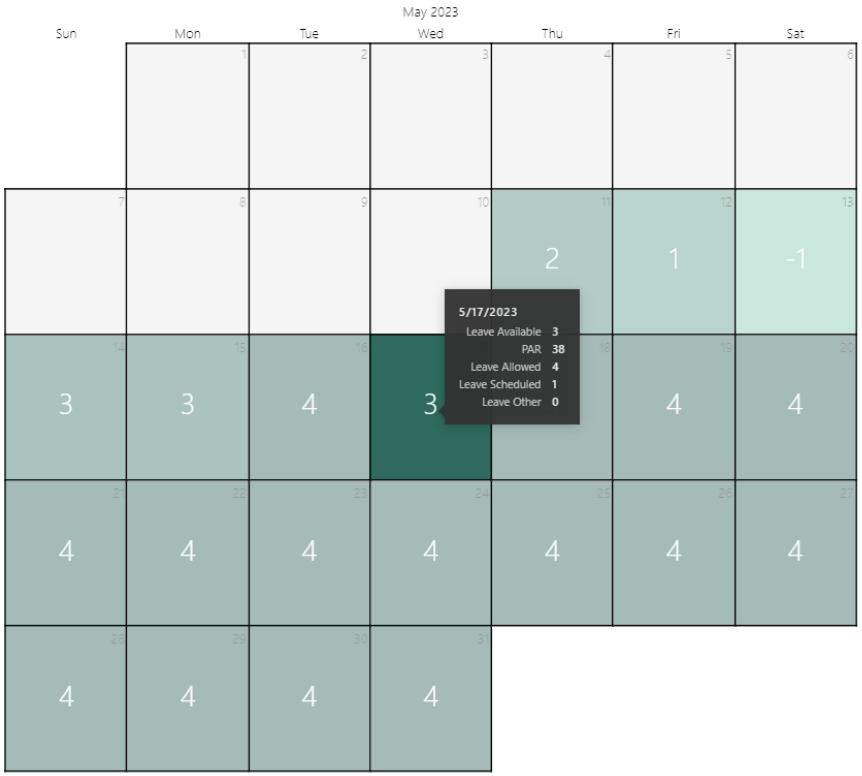
Roster Date	Employee Name	Occupation	Region	Station	Leave Type	Leave Detail	Hours	Notes
02/01/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	S - Sick	-UNSCH	8.00	
02/03/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	A - Annual Leave	-SCH	8.00	
02/04/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	S - Sick	OTHSCH	8.00	
02/18/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	S - Sick	-UNSCH	8.00	
02/21/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
02/22/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
02/23/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
02/24/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
02/25/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
02/28/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
03/01/2023	JONATHAN	Correctional Sergeant	Turner Guilford Knight	*TGK Operations Afternoon Shift	PF - Parental Leave	OTHSCH	8.00	
Total							**416.00**	

Employee Leave Calendar

Miami-Dade Corrections and Rehabilitation Department
Leave Availability Calendar

PAR Allowance Updated
5/12/2023 5:40:29 AM

Leave Available



Unit
*TGK MHTC Day Shift

Occupation
Correctional Officer

Year, Month
2023 (Year) + May (Month)

Leave Calendar Date	EMPLID	Employee Name	Leave	Leave Type
05/17/2023	316289	MCLEAN, PERLA J.	1	C - Compensatory Time
Total			**1**	