
Sentencing in Montgomery County

1995-2003

MAIN DESCRIPTIVES

IV = Age, Race, Offense Type, Offender Score, Offense Score, Guidelines Placement, Disposition, Representation

DV = Incarceration Decision, Months in Prison

	Range	N	Mean	SD
IV				
Age	14.5 - 78.0	2372	29.15	9.86
Black	0 - 1	1333	0.57	0.49
White	0 - 1	703	0.30	0.46
Hispanic	0 - 1	177	0.08	0.26
Other	0 - 1	119	0.05	0.22
<i>Total Race</i>		2332		
Drug	0 - 1	861	0.35	0.48
Violent	0 - 1	962	0.39	0.49
Property	0 - 1	618	0.25	0.43
<i>Total Offense Type</i>		2441		
Offender Score	0 - 9	2422	2.12	2.32
Offense Score	1 - 14	954	4.02	2.56
Within Guidelines	0 - 1	1406	0.60	0.49
Placement Above	0 - 1	123	0.05	0.22
Placement Below	0 - 1	815	0.35	0.48
<i>Total Placement</i>		2344		
ABA Plea Agreement	0 - 1	1522	0.76	0.43
Non-ABA Plea Agreement	0 - 1	139	0.07	0.25
Plea - No Agreement	0 - 1	206	0.10	0.30
Court Trial	0 - 1	45	0.02	0.15
Jury Trial	0 - 1	82	0.04	0.20
Reconsideration	0 - 1	0	0	0
Review	0 - 1	0	0	0
Probation Revocation	0 - 1	0	0	0
<i>Total Disposition</i>		1994		
Private	0 - 1	457	0.54	0.50
Public	0 - 1	372	0.44	0.50
Court-appointed	0 - 1	8	0.01	0.10
Self-appointed	0 - 1	4	0	0.07
<i>Total Representation</i>		841		
DV				
Incarcerate	0 - 1	2228	0.66	0.47
Months in Prison	1 - 720	1473	29	61.12

COMPARISSON OF MEANS

Comparison between two race groups – white vs. non-white (non-white includes black, Hispanic, and other)

	Range	White			Non-White			Mean Difference
		N	Mean	SD	N	Mean	SD	White - Non-White
IV								
Age	14.5 - 78.0	679	30.08	11.27	1591	28.82	9.26	1.27**
Female	0 - 1	703	0.11	0.32	1628	0.09	0.29	0.02
Drug	0 - 1	210	0.30	0.46	617	0.38	0.49	-0.08***
Violent	0 - 1	294	0.42	0.49	619	0.38	0.49	0.04
Property	0 - 1	198	0.28	0.45	387	0.24	0.43	0.04*
<i>Total Offense Type</i>		<u>702</u>			<u>1623</u>			
Offender Score	0 - 9	693	1.71	2.16	1614	2.33	2.39	-0.62***
Offense Score	1 - 14	286	4.03	2.79	619	4.1	2.47	-0.07
Within Guidelines	0 - 1	424	0.63	0.48	900	0.57	0.49	0.06**
Placement Above	0 - 1	36	0.05	0.23	80	0.05	0.22	0.00
Placement Below	0 - 1	209	0.31	0.46	586	0.37	0.48	-0.06**
<i>Total Guidelines Placement</i>		<u>669</u>			<u>1566</u>			
ABA Plea Agreement	0 - 1	417	0.75	0.43	1025	0.76	0.42	-0.02
Non-ABA Plea Agreement	0 - 1	47	0.08	0.28	87	0.06	0.25	0.02
Plea - No Agreement	0 - 1	64	0.11	0.32	135	0.10	0.30	0.01
Court Trial	0 - 1	11	0.02	0.14	34	0.03	0.16	-0.01
Jury Trial	0 - 1	19	0.03	0.18	61	0.05	0.21	-0.01
Reconsideration	0 - 1	0	0	0	0	0	0	0
Review	0 - 1	0	0	0	0	0	0	0
Probation Revocation	0 - 1	0	0	0	0	0	0	0
<i>Total Disposition</i>		<u>558</u>			<u>1342</u>			
Private	0 - 1	183	0.66	0.48	259	0.49	0.50	0.16***
Public	0 - 1	94	0.34	0.47	258	0.49	0.50	-0.15***
Court-appointed	0 - 1	0	0.00	0.00	8	0.02	0.12	-.02*
Self-appointed	0 - 1	2	0.01	0.08	2	0	0.06	0.00
<i>Total Representation</i>		<u>279</u>			<u>527</u>			
DV								
Incarcerate	0 - 1	642	0.58	0.49	1483	0.7	0.46	-0.13***
Months in Prison	1 - 720	371	30.84	69.78	1045	28.52	58.69	2.32

* p≤.05

** p≤.01

*** p≤.001

Note: Categorical variables compared with Chi Square distribution

Continuous variables compared with Independent Sample T-Test

REGRESSIONS

1. THOSE RECEIVING A SENTENCE OF “INCARCERATION” - OVERALL

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	0.31***	0.08	0.62	0.37
Black	0.60***	0.10	0.39	0.22
Hispanic	0.58**	0.19	0.12	0.74
Other	0.02	0.21	0.41	0.38
Age	...	...	-0.02	0.01
Female	...	...	-0.58*	0.29
Drug Offense	...	...	-1.35***	0.24
Property Offense	...	...	-0.57*	0.27
Non-ABA Plea Agreement	...	...	0.01	0.28
Plea - No Agreement	...	...	-0.14	0.34
Court Trial	...	...	-1.52	1.03
Jury Trial	...	...	1.05	0.61
Public Rep.	...	...	0.44*	0.21
Offender Score	...	...	0.50***	0.06

* p≤.05

** p≤.01

*** p≤.001

Marginal effects after logit: Probability of incarceration

White	0.70
Black	0.73
Hispanic	0.72
Other	0.77

Incarceration Decision by OFFENSE TYPE

DRUG OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	-0.14	0.14	-2.66***	0.76
Black	0.89***	0.17	0.69	0.42
Hispanic	1.14**	0.40	2.14	1.33
Other	0.14	0.45	0.80	0.75
Age	...	...	0.03	0.02
Female	...	...	-0.87	0.60
Non-ABA Plea Agreement	...	...	0.48	0.51
Plea - No Agreement	...	...	-0.46	0.63
Jury Trial	...	...	1.26	1.46
Public Rep.	...	...	0.42	0.38
Offender Score	...	...	0.65***	0.12

Note: There was too little variation in the variable 'court representation' or 'self representation' to allow modeling. Both are excluded along with reference category

* p≤.05

** p≤.01

*** p≤.001

Marginal effects after logit: Probability of incarceration

Black	0.62
White	0.56
Hispanic	0.91
Other	0.73

VIOLENT OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	0.48***	0.13	-0.34	0.72
Black	0.64***	0.17	-0.06	0.43
Hispanic	0.35	0.25	-0.52	0.93
Other	0.27	0.32	0.48	0.60
Age	...	...	-0.04*	0.02
Female	...	...	-1.74**	0.64
Non-ABA Plea Agreement	...	...	0.12	0.53
Plea - No Agreement	...	...	0.44	0.60
Court Trial	...	...	-0.76	1.21
Jury Trial	...	...	1.79	1.14
Public Rep.	...	...	0.10*	0.42
Offender Score	...	...	0.30*	0.12
Offense Score	...	...	0.55***	0.12

* p≤.05

** p≤.01

*** p≤.001

Marginal effects after logit: Probability of incarceration

White	0.84
Black	0.84
Hispanic	0.77
Other	0.89

PROPERTY OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	-0.14	0.14	0.42	0.42
Black	0.89***	0.17	0.18	0.26
Hispanic	1.14**	0.40	1.22	0.70
Other	0.14	0.45	-0.52	0.47
Age	...	...	-0.02	0.01
Female	...	...	-0.36	0.31
Non-ABA Plea Agreement	...	...	-0.82	0.51
Plea - No Agreement	...	...	-0.56	0.41
Court Trial	...	...	-1.64	1.20
Jury Trial	...	...	-0.29	0.52
Offender Score	...	...	0.64***	0.09

Note: there was no variation in 'Representation' across race groups and could not be included in the model

* $p \leq .05$

** $p \leq .01$

*** $p \leq .001$

Marginal effects after logit: Probability of incarceration

Black	0.80
White	0.79
Hispanic	0.92
Other	0.69

ABOVE GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant				
Black				
Hispanic				
Other				
Age				
Female				
Drug Offense				
Property Offense				
Non-ABA Plea Agreement				
Plea - No Agreement				
Court Trial				
Jury Trial				
Public Rep.				
Offender Score				

no variation in the dependant variable - impossible to compute

* p≤.05

** p≤.01

*** p≤.001

BELOW GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	0.63***	0.15	0.28	0.41
Black	0.52**	0.18	0.38	0.24
Hispanic	0.47	0.35	0.86*	0.43
Other	0.13	0.45	0.29	0.52
Age	...	...	-0.01	0.01
Female	...	...	-0.39	0.35
Drug Offense	...	...	-0.89***	0.25
Property Offense	...	...	-0.55	0.33
Non-ABA Plea Agreement	...	...	-0.79*	0.39
Plea - No Agreement	...	...	-0.79*	0.34
Court Trial	...	...	0.75	0.84
Jury Trial	...	...	0.48	1.07
Offender Score	...	...	0.46***	0.06

* p≤.05

** p≤.01

*** p≤.001

**Marginal effects after logit:
Probability of incarceration**

White	0.79
Black	0.81
Hispanic	0.89
Other	0.83

WITHIN GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	0.01	0.10	0.92	0.52
Black	0.66***	0.13	0.41	0.30
Hispanic	0.63**	0.23	1.18	1.00
Other	0.11	0.25	0.56	0.47
Age	...	...	-0.04*	0.01
Female	...	...	-0.76	0.40
Drug Offense	...	...	-1.73***	0.34
Property Offense	...	...	-0.56	0.35
Non-ABA Plea Agreement	...	...	0.23	0.36
Plea - No Agreement	...	...	-0.79	0.52
Court Trial	...	...	-0.97	1.52
Jury Trial	...	...	0.63	0.87
Public Rep.	...	...	0.29	0.30
Offender Score	...	...	1.37***	0.20

* p≤.05

** p≤.01

*** p≤.001

**Marginal effects after logit:
Probability of incarceration**

White	0.77
Black	0.80
Hispanic	0.91
Other	0.84

**2. NUMBER OF MONTHS FOR THOSE RECEIVING A SENTENCE OF
“INCARCERATION” - OVERALL**

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	30.84***	3.20	22.10*	9.79
Black	-0.46	3.83	5.56	5.92
Hispanic	-15.07*	6.59	-10.63	20.49
Other	-4.65	8.41	-10.02	10.36
Age	...	...	0.15	0.29
Female	...	...	4.63	9.29
Drug	...	...	-27.55***	6.37
Property	...	...	-27.96***	6.40
Non-ABA Plea Agreement	...	...	-6.52	7.53
Plea - No Agreement	...	...	23.11*	9.79
Court Trial	...	...	-27.52	34.59
Jury Trial	...	...	10.93	12.87
Public Rep.	...	...	-2.50	5.35
Offender Score	...	...	5.01***	1.25

* p≤.05

** p≤.01

*** p≤.001

**Marginal effects after OLS:
Predicted number of months**

White	29.13
Black	28.95
Hispanic	15.28
Other	24.69

Number of Months by OFFENSE TYPE

DRUG OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	6.18	8.56	22.35	11.29
Black	15.25	8.69	-8.74	6.36
White	11.66	9.06	-6.48	17.99
Other	8.93	10.15	-13.34	11.52
Age	...	...	-0.28	0.30
Female	...	...	-8.33	8.65
Non-ABA Plea Agreement	...	...	-7.44	7.10
Plea - No Agreement	...	...	-2.83	10.31
Jury Trial	...	...	22.18*	11.14
Public Rep.	...	...	-5.61	4.92
Offender Score	...	...	4.77***	1.18

Note: 'Self representation', 'Court Representation' and 'Court Trial' variables had no variation across race groups and were excluded from multivariate analysis

* $p \leq .05$

** $p \leq .01$

*** $p \leq .001$

Marginal effects after OLS: Predicted number of months

White	18.56
Black	16.37
Hispanic	12.21
Other	5.99

VIOLENT OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	17.65	10.53	-46.85	30.57
Black	28.32*	11.68	-10.00	27.58
White	29.13*	12.61	-25.07	27.84
Other	19.35	18.15	-18.03	29.60
Age	...	...	0.51	0.46
Female	...	...	-6.00	18.16
Non-ABA Plea Agreement	...	...	-10.47	11.88
Plea - No Agreement	...	...	29.40*	13.50
Court Trial	...	...	-50.77	37.83
Jury Trial	...	...	9.76	22.27
Public Rep.	...	...	-4.92	8.95
Offense Score	...	...	17.09***	1.60
Offender Score	...	...	6.77***	2.01

* p≤.05

** p≤.01

*** p≤.001

Marginal effects after OLS: Predicted number of months

White	21.44
Black	33.91
Hispanic	38.45
Other	22.40

PROPERTY OFFENSES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	8.94	6.77	-8.03	7.03
Black	13.51	7.04	4.76	6.49
White	9.95	7.25	4.01	6.68
Other	6.68	9.73	4.27	8.80
Age	...	...	0.33*	0.15
Female	...	...	0.02	4.52
Offender Score	...	...	4.44***	0.61

Note: 'Disposition' and 'Representation' excluded due to lack of variation across race groups

* $p \leq .05$

** $p \leq .01$

*** $p \leq .001$

Marginal effects after OLS: Predicted number of months

White	20.33
Black	20.64
Hispanic	16.51
Other	20.57

Number of Months by GUIDELINES PLACEMENT

WITHIN GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	15.23*	7.32	23.87	22.79
Black	15.95*	7.84	5.55	20.61
White	12.55	8.41	6.86	21.02
Other	15.91	11.68	-3.43	22.18
Age	...	...	-0.27	0.34
Female	...	...	0.14	10.87
Drug	...	...	-24.87*	7.79
Property	...	...	-22.96*	7.41
Non-ABA Plea Agreement	...	...	-7.68	8.27
Plea - No Agreement	...	...	3.45	12.95
Court Trial	...	...	-17.61	45.25
Jury Trial	...	...	-2.67	14.85
Public Rep.	...	...	-10.61	6.37
Court-appointed Rep.	...	...	-17.14	26.88
Self-appointed Rep.	...	...	-64.96	47.78
Offender Score	...	...	11.10***	1.63

* p≤.05

** p≤.01

*** p≤.001

Marginal effects after OLS: Predicted number of months

White	28.84
Black	26.23
Hispanic	23.95
Other	20.87

ABOVE GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	11.50	68.96	-63.38	101.38
Black	91.17	71.42	126.74	101.92
Hispanic	15.77	80.53	64.54	165.97
White	60.36	72.79	79.79	97.80
Age	...	...	2.11	1.67
Female	...	...	-51.63	64.34
Drug	...	...	-58.18	49.53
Property	...	...	-41.31	42.26
Non-ABA Plea Agreement	...	...	-57.46	73.72
Plea - No Agreement	...	...	-35.90	45.51
Jury Trial	...	...	-40.02	94.88
Public Rep.	...	...	9.84	47.65
Court-appointed Rep.	...	...	31.40	108.51
Offender Score	...	...	1.21	12.65

Note: The following variables had constant values and were excluded from the analysis: "Court Trial" and "Self-appointed Rep."

* p≤.05

** p≤.01

*** p≤.001

**Marginal effects after OLS:
Predicted number of months**

White	126.88
Black	119.24
Hispanic	134.87
Other	72.17

BELOW GUIDELINES

	Bivariate		Multivariate	
	Beta	SE	Beta	SE
Constant	13.41***	4.55	10.36	5.63
Black	5.36	4.78	2.70	4.65
White	11.30*	5.17	6.87	5.01
Other	4.00	8.26	4.10	7.87
Age	...		0.03	0.13
Female			4.81	5.25
Drug	...		-15.31***	2.79
Property	...		-16.47***	3.28
Offender Score	...		3.88***	0.58

Note: The 'representation' and 'disposition' variables had no variation across race groups and were excluded from multivariate analysis

* p≤.05

** p≤.01

*** p≤.001

**Marginal effects after OLS:
Predicted number of months**

White	19.75
Black	18.34
Hispanic	13.38
Other	17.07

INCARCERATIONS PER YEAR

Year	# Incarcerated	% Incarcerated	Average Sentence Length	% Sentenced Within Guidelines	Total Cases
1995	28	70.0	23.4	63.4	40
1996	75	61.0	22.9	68.4	123
1997	226	63.8	32.7	62.3	354
1998	70	69.3	30.9	48.2	101
1999	174	65.7	33.6	50.5	265
2000	213	75.0	31.3	55.4	284
2001	183	69.1	24.2	66.8	265
2002	276	62.2	27.5	59.1	444
2003	228	64.8	27.5	64.7	352
TOTAL	1473	66.1	29.0	60.0	2228