

Análise exploratória

Victor Batista

August 7, 2024

Socioeconômicas

	Unique	Missing Pct.	Mean	SD	Min	Median	Max
Taxa_de_analfabetismo	220	0	9.9	5.7	0.9	9.1	40.2
Taxa_de_desemprego_16a_e+	643	0	4.1	2.7	0.1	3.8	27.8
Gini	898	0	0.5	0.1	0.3	0.5	0.8
PIB_per_capita	1130	0	16374.5	12533.7	3129.3	13963.5	220358.3
população_com renda_j_1/4_SM	934	0	13.9	13.0	0.1	9.9	77.9
Taxa_de_trabalho_infantil	932	0	17.2	10.8	0.3	14.5	72.1
Porcentagem_Homens_Jovens	498	0	12.5	1.5	7.9	12.4	26.7

Homicídios

	Unique	Missing Pct.	Mean	SD	Min	Median	Max	Histogram
valor-2010	658	0	15.5	18.7	0.0	10.2	147.4	
valor-2011	620	0	14.1	17.3	0.0	9.1	111.1	
valor-2012	648	0	16.1	19.3	0.0	10.9	132.0	
valor-2013	662	0	15.9	19.8	0.0	11.7	183.7	
valor-2014	680	0	16.4	19.0	0.0	11.8	153.9	
valor-2015	671	0	16.5	19.1	0.0	11.8	137.1	
valor-2016	690	0	18.2	20.7	0.0	13.2	155.1	
valor-2017	706	0	19.6	22.2	0.0	14.6	222.0	
valor-2018	678	0	16.9	20.3	0.0	12.4	211.0	
valor-2019	657	0	15.5	19.2	0.0	10.9	176.7	

Outros crimes

	Unique	Missing Pct.	Mean	SD	Min	Median	Max	Histogram
feminicidio_pc	156	0	1.4	6.5	0.0	0.0	101.7	
hom_doloso_pc	621	0	31.7	263.5	0.0	6.0	8203.4	
lesao_pc	74	0	0.9	6.9	0.0	0.0	169.5	
mandado_pc	625	0	98.5	173.8	0.0	21.1	1285.4	
transito_pc	588	0	20.1	86.6	0.0	3.2	2474.6	
esclarecer_pc	531	0	58.4	1096.0	0.0	0.0	36508.5	
latrocinio_pc	138	0	1.7	11.4	0.0	0.0	305.1	
tentativa_hom_pc	570	0	26.8	164.6	0.0	2.3	4678.0	

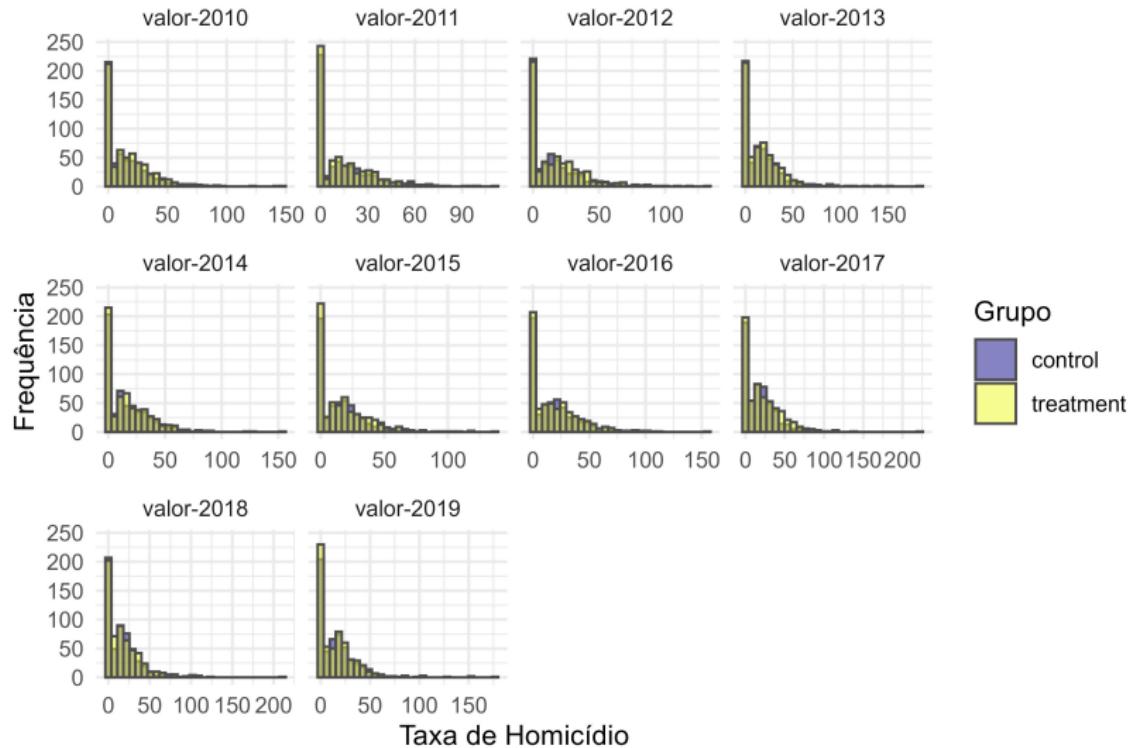
Categóricas

		N	%
name_state			
	Acre	22	1.9
	Amapá	15	1.3
	Amazônas	32	2.8
	Mato Grosso	57	5.0
	Mato Grosso do Sul	66	5.8
	Pará	7	0.6
	Paraná	297	26.2
	Rio Grande do Sul	413	36.5
	Rondônia	52	4.6
	Roraima	15	1.3
	Santa Catarina	144	12.7
	São Paulo	12	1.1

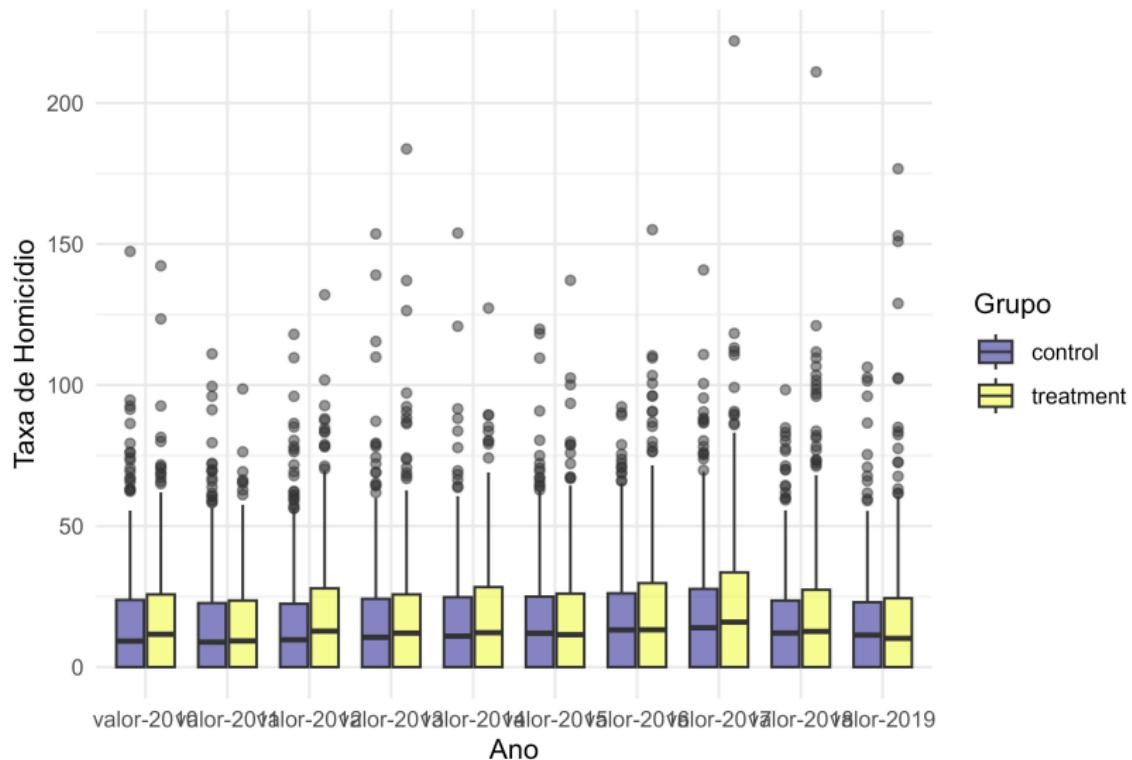
Categóricas

		N	%
name_region	Centro Oeste	123	10.9
	Norte	143	12.6
	Sudeste	12	1.1
	Sul	854	75.4
groups	control	544	48.1
	treatment	588	51.9
arcos	Arco Central	175	15.5
	Arco Norte	91	8.0
	Arco Sudeste	12	1.1
	Arco Sul	854	75.4

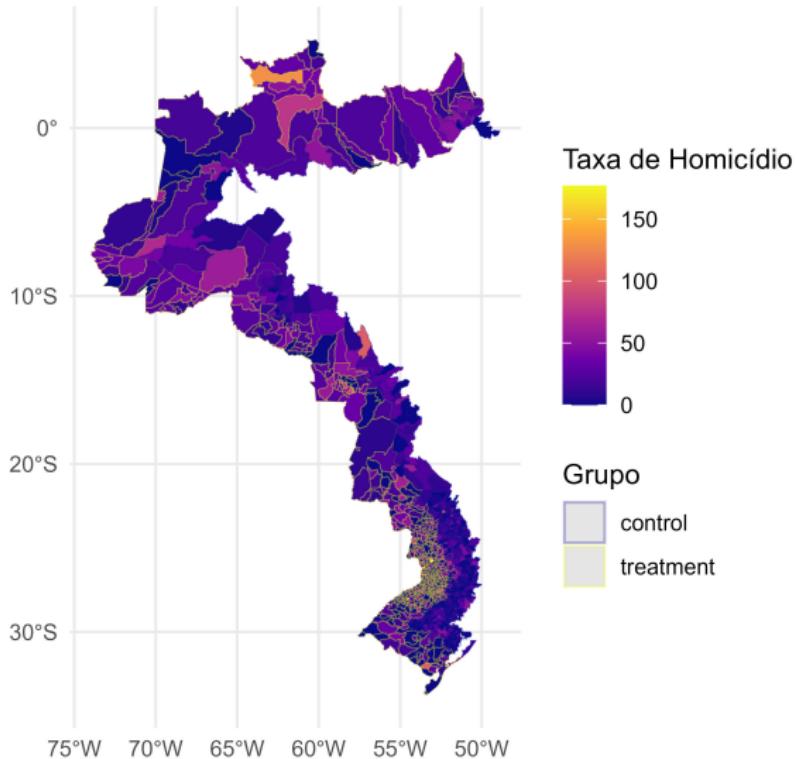
Distribuição das Taxas de Homicídio de 2010 a 2019



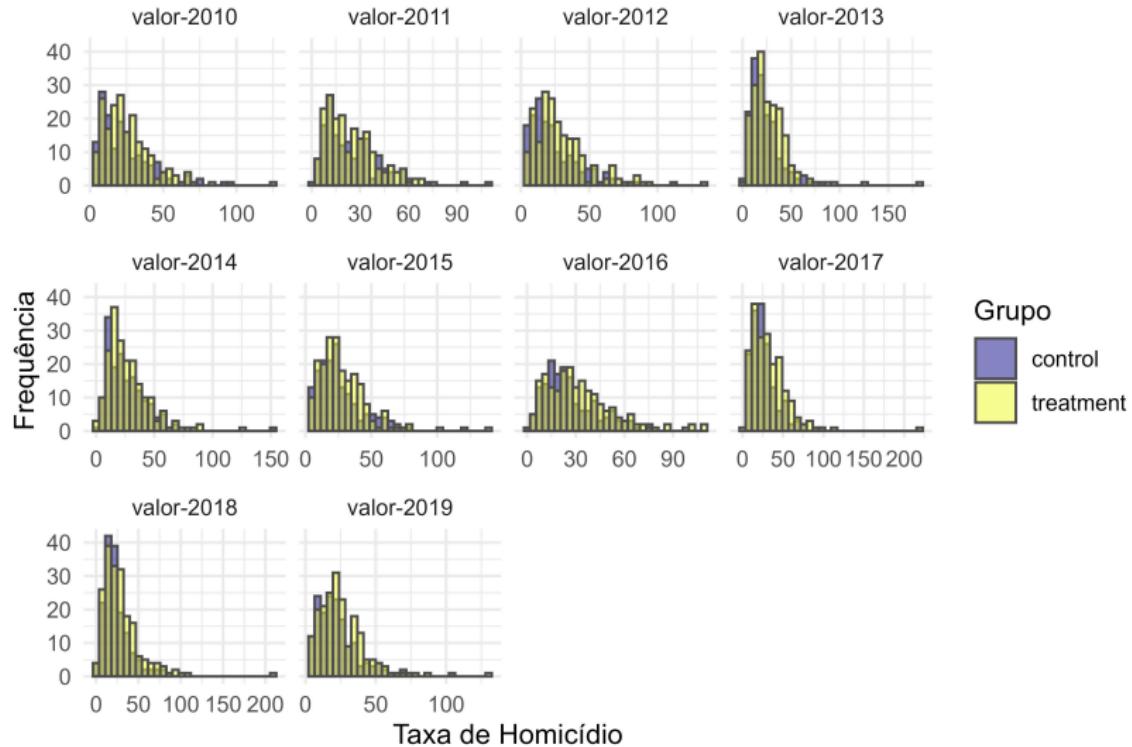
Comparação das Taxas de Homicídio de 2010 a 2019 por Grupo



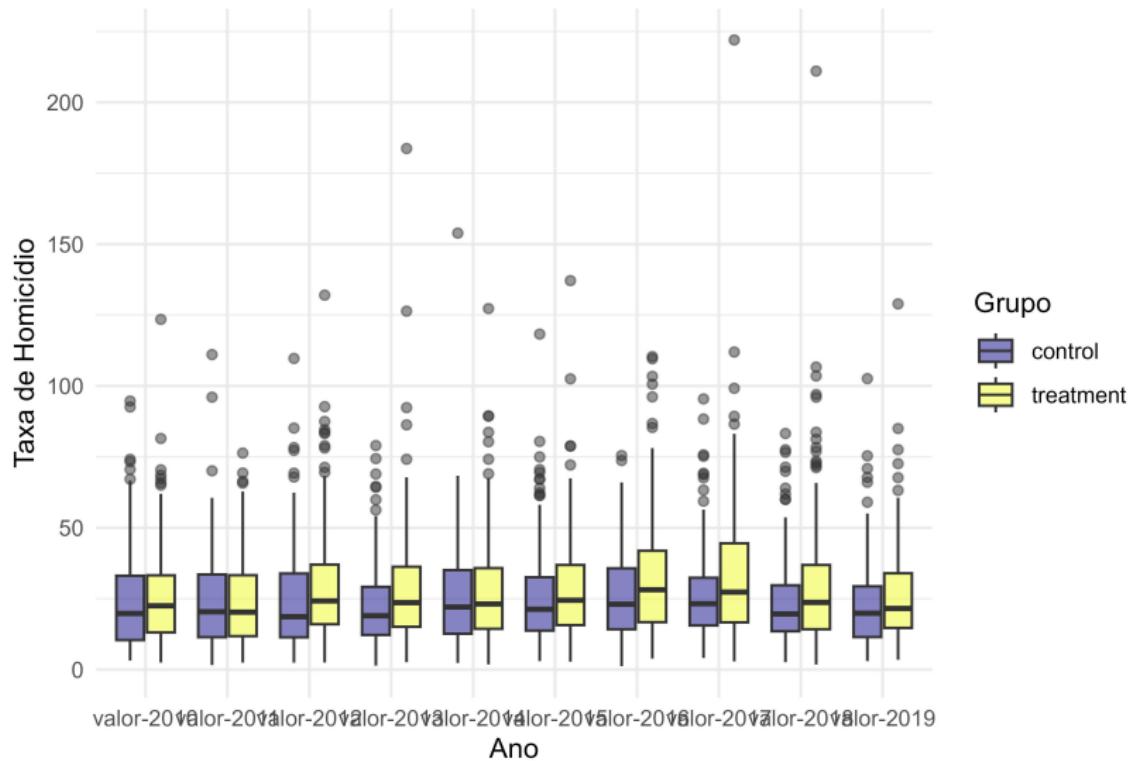
Taxa de Homicídios por Município em 2019



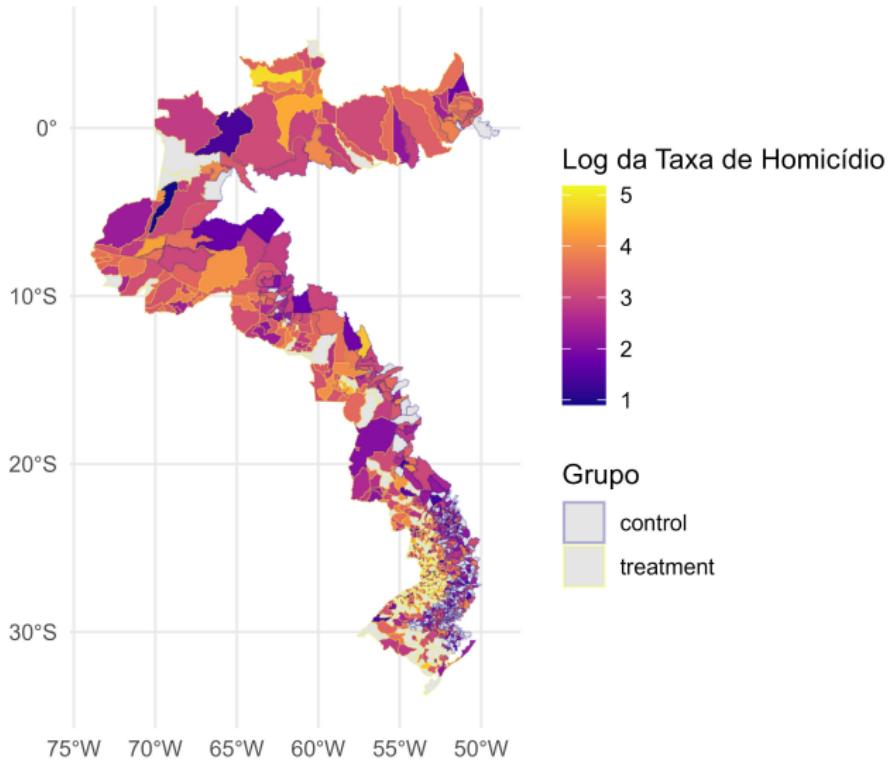
Distribuição das Taxas de Homicídio de 2010 a 2019 (non-zero)



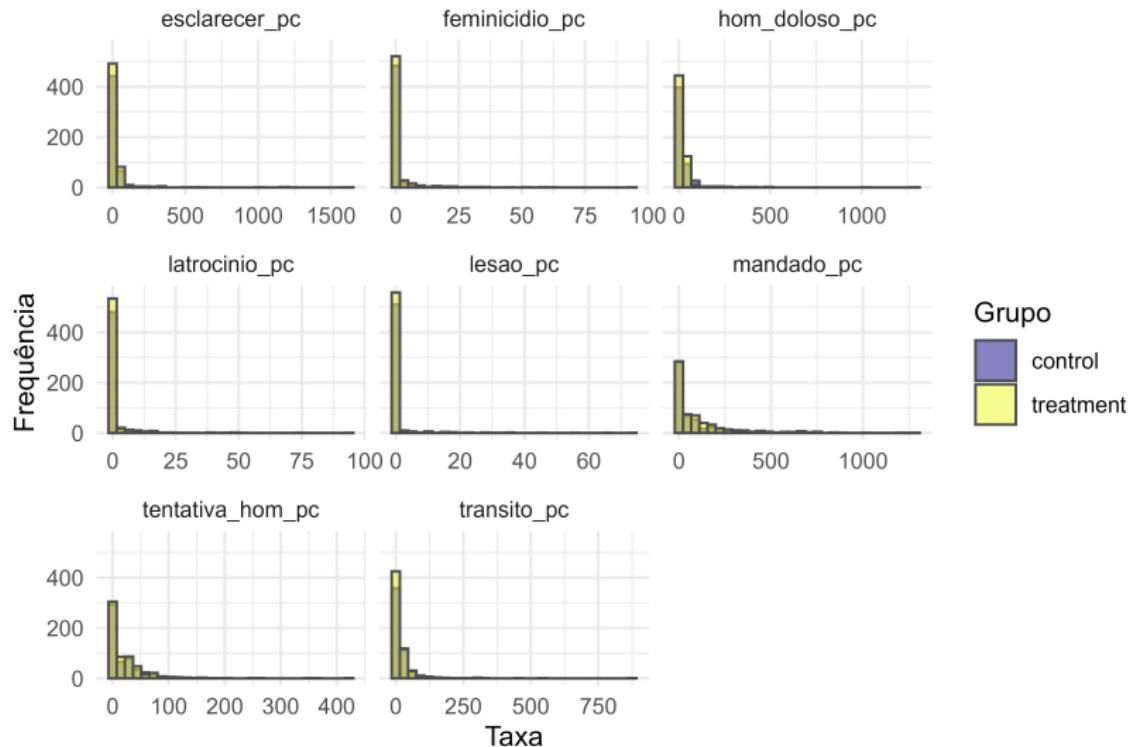
Comparação das Taxas de Homicídio de 2010 a 2019 por Grupo (non-z)



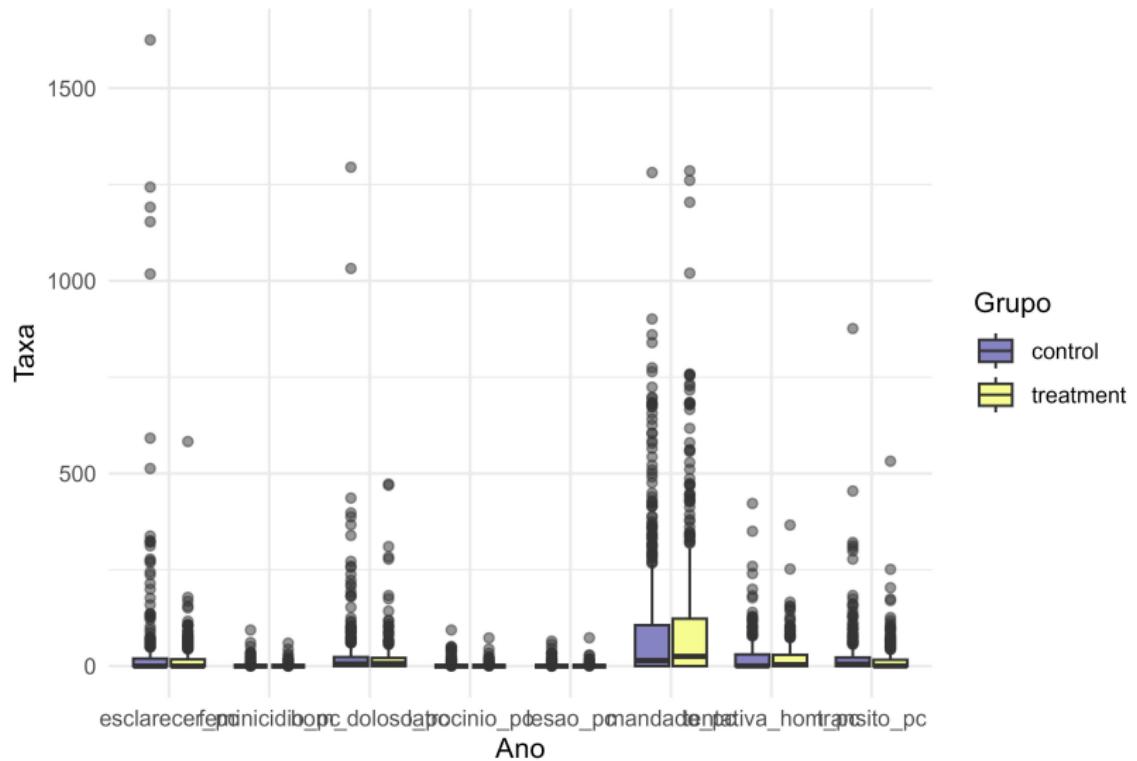
Taxa de Homicídios por Município em 2019 (non-zero)



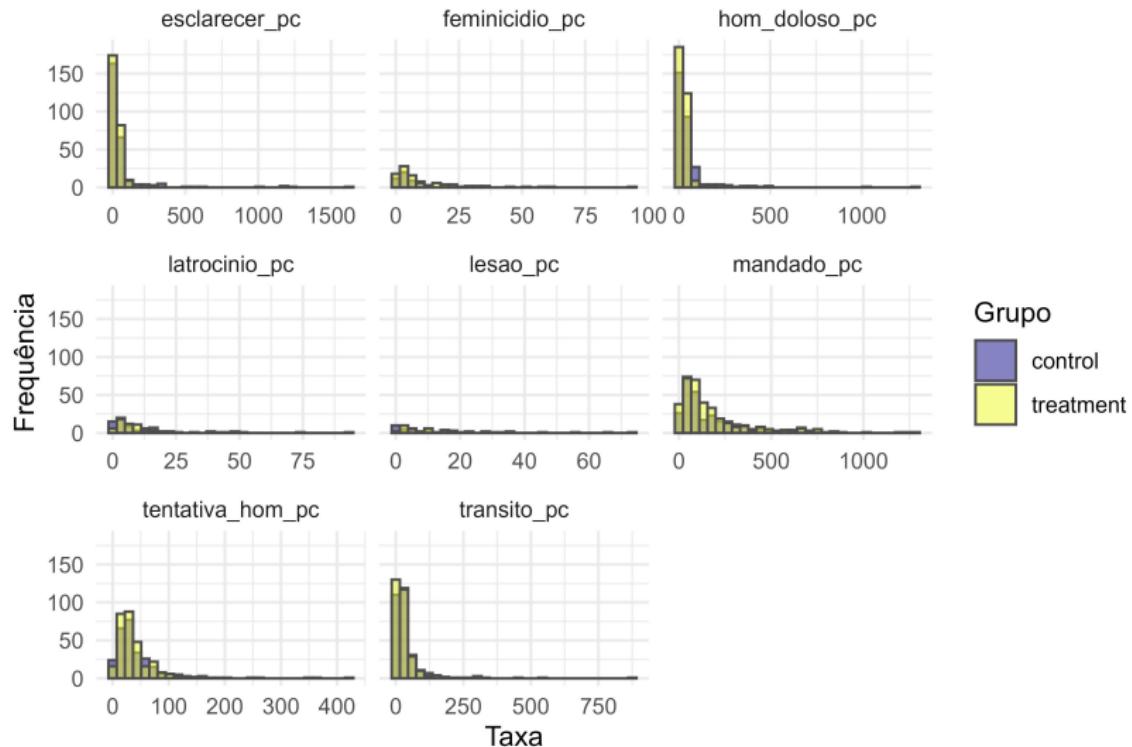
Distribuição das taxas de outros crimes em 2019



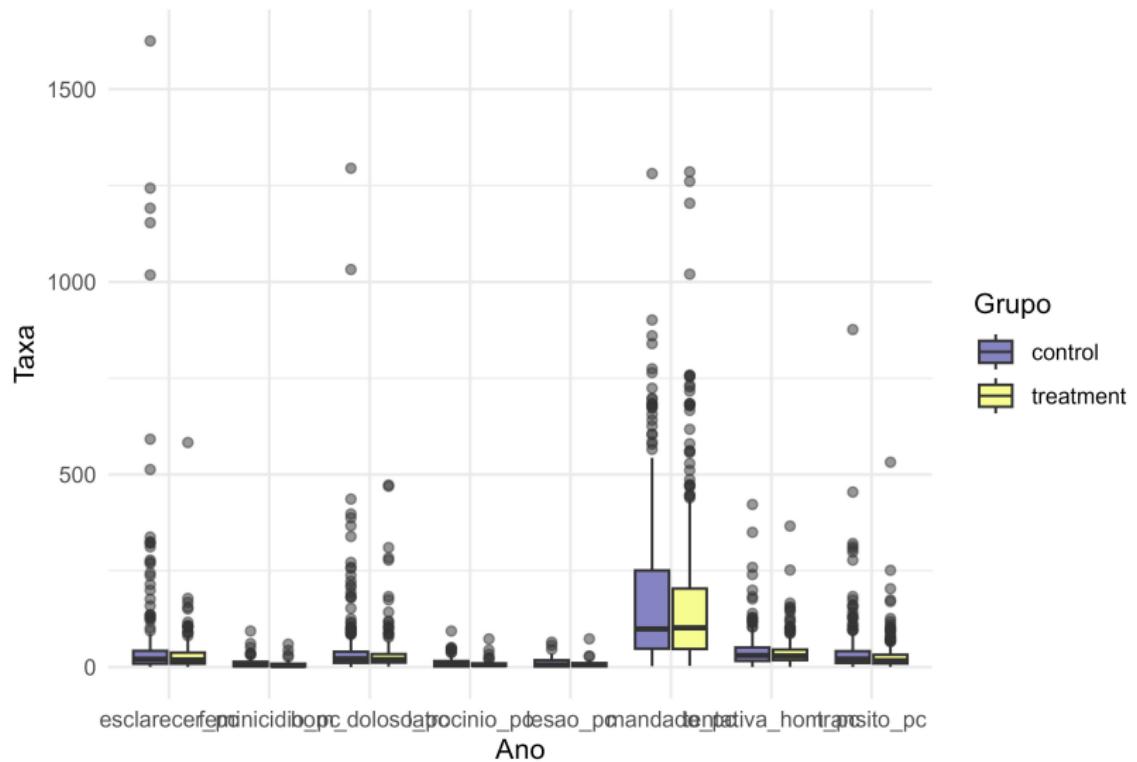
Comparação das taxas de outros crimes em 2019 por Grupo



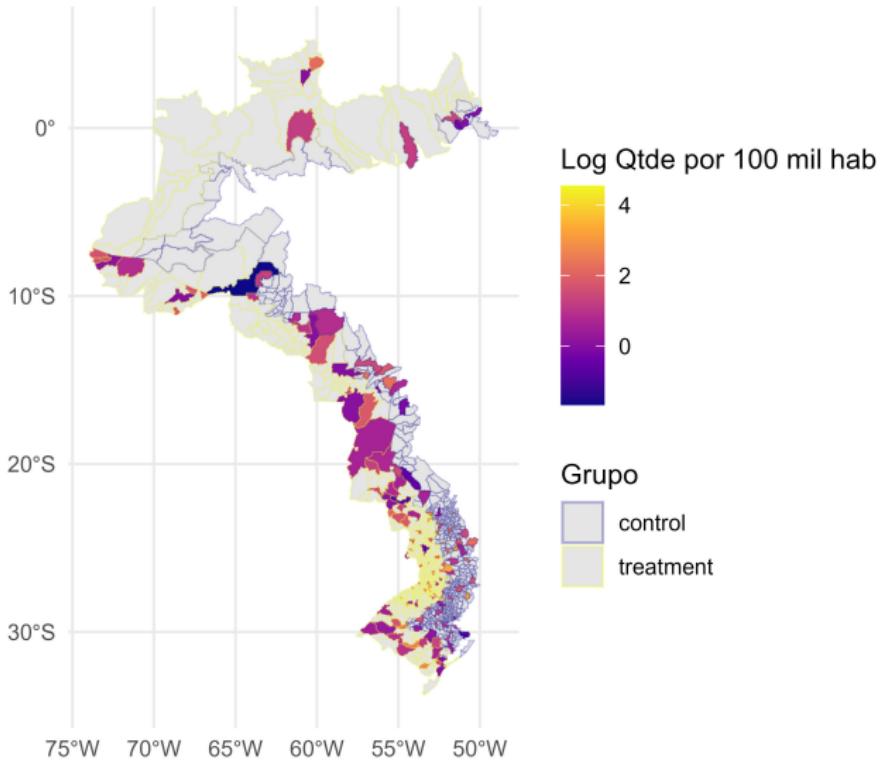
Distribuição das taxas de outros crimes em 2019



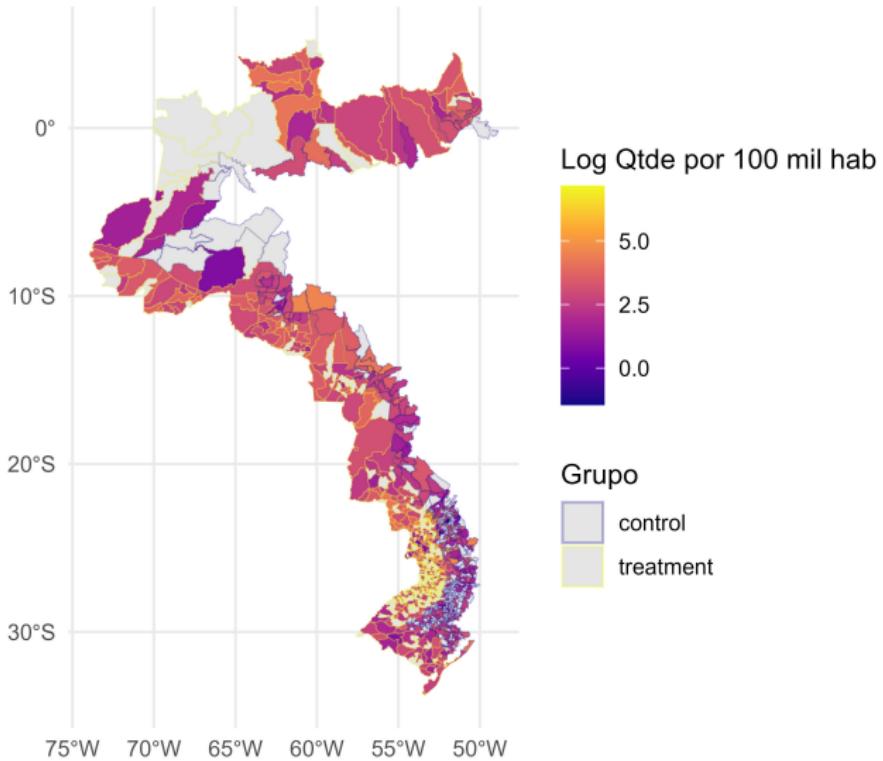
Comparação das taxas de outros crimes em 2019 por Grupo



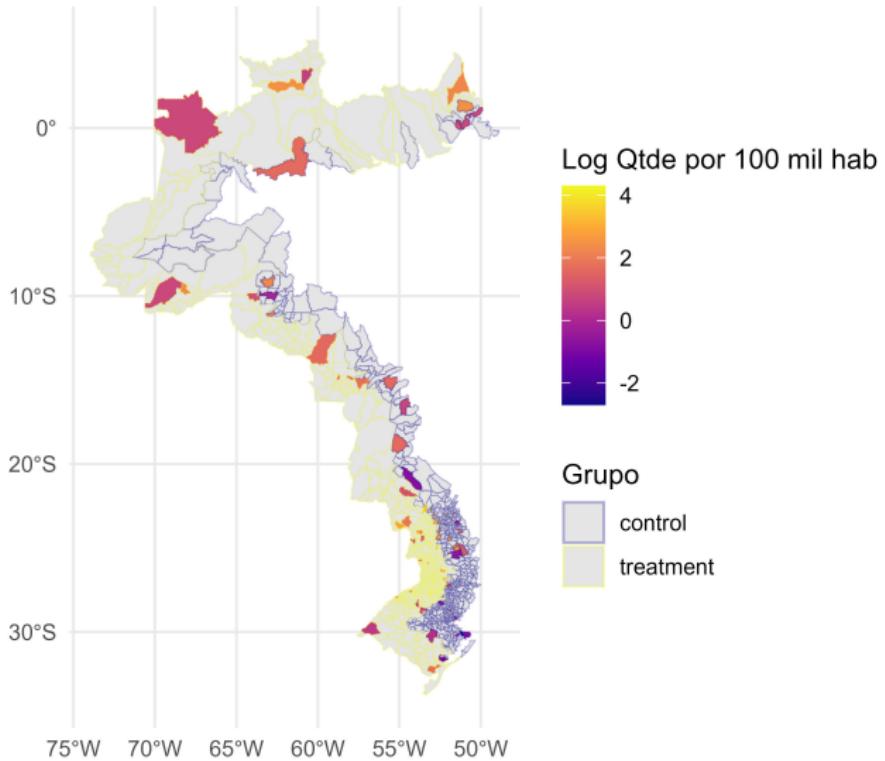
Número de Feminicídios por Município em 2019



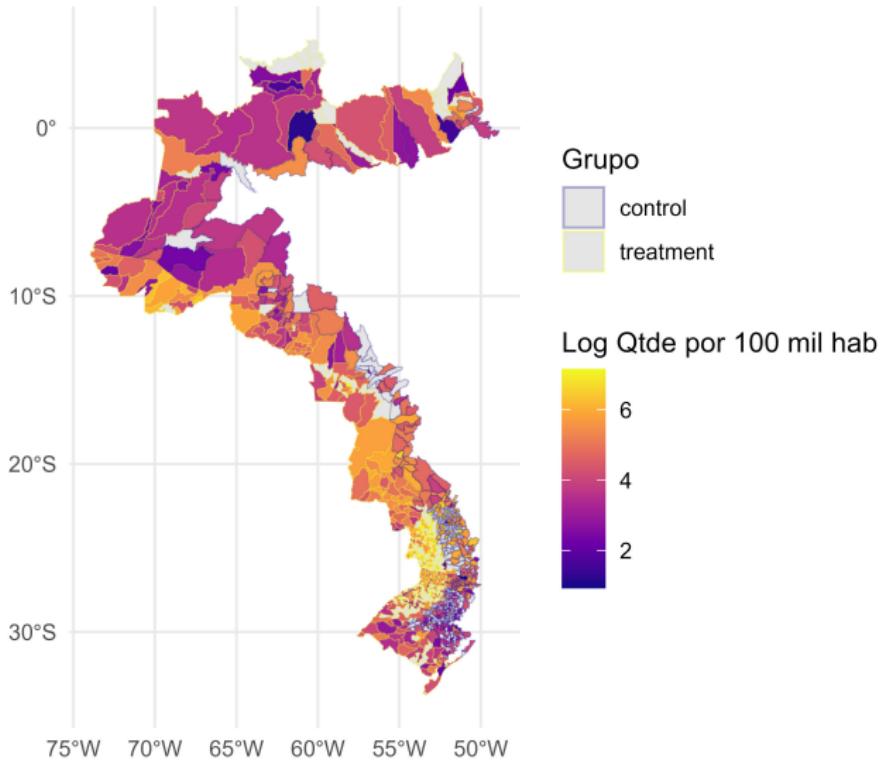
Número de Homicídios dolosos por Município em 2019



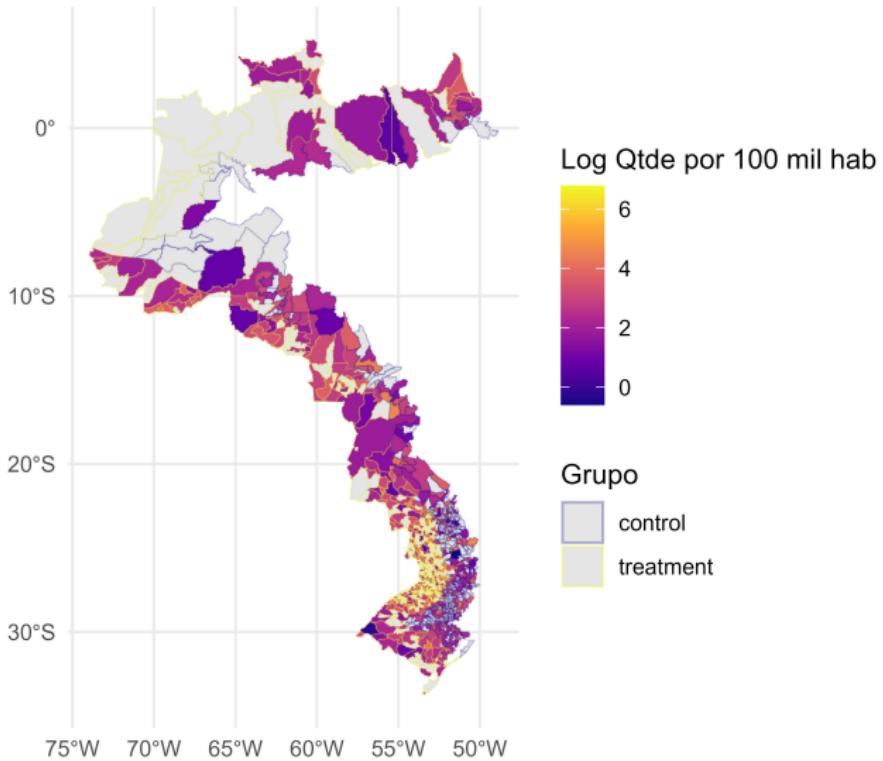
Número de Lesão Corporal seguida de morte por Município em :



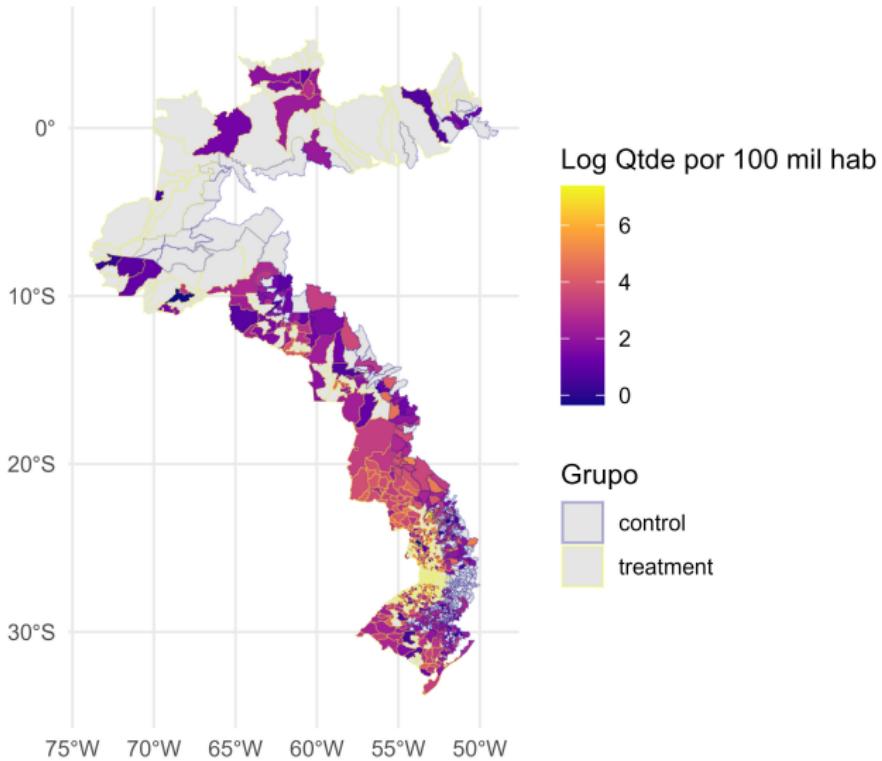
Número de cumprimentos de Mandados de Prisão por Município



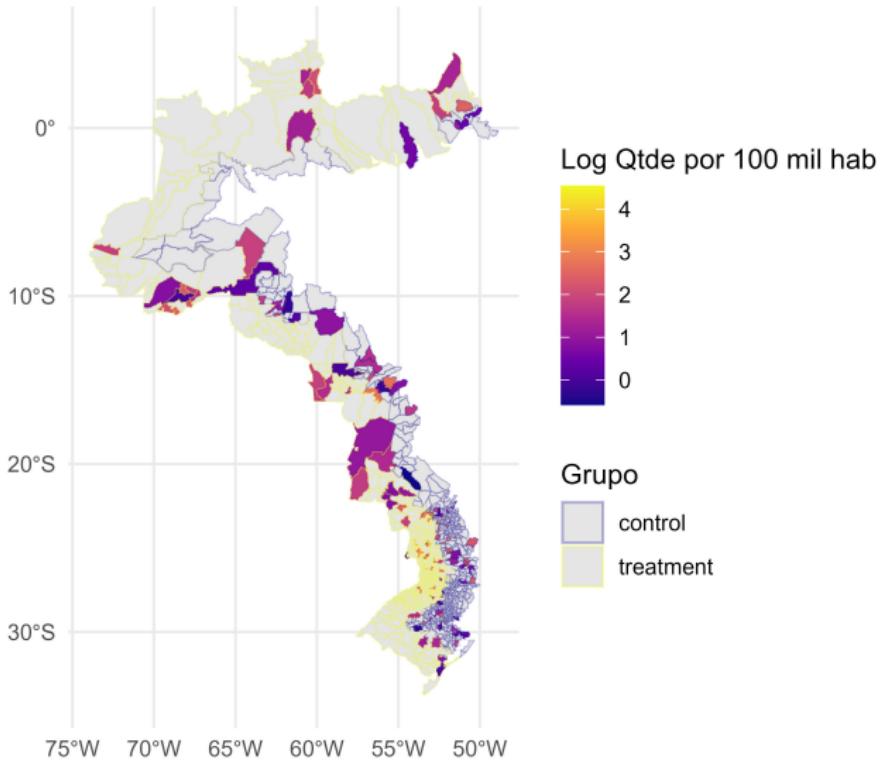
Número de mortes do trânsito por Município em 2019



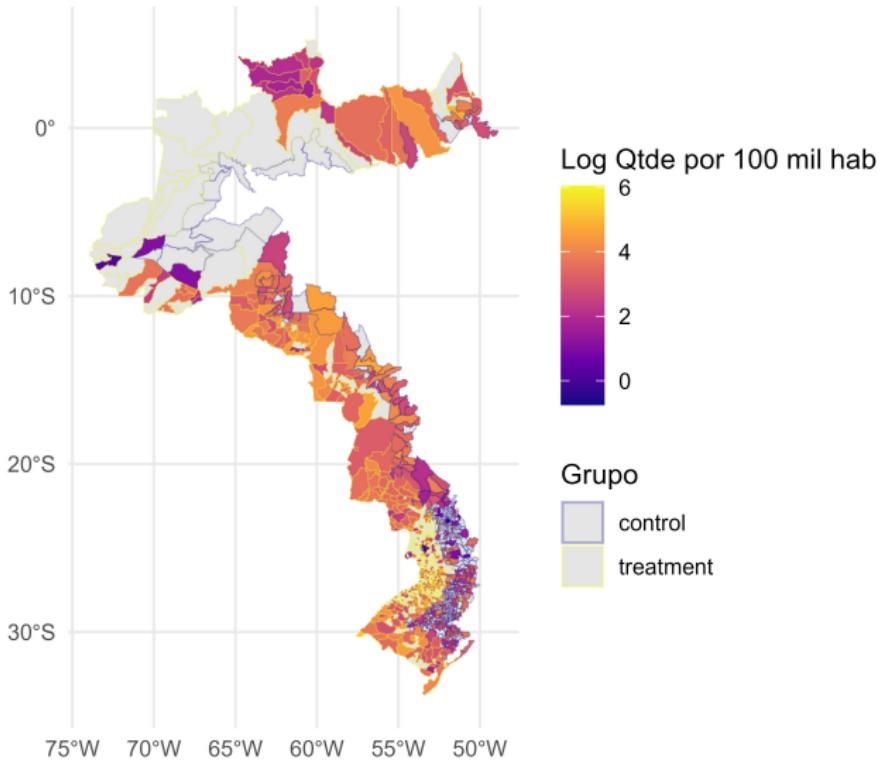
Número de mortes a esclarecer por Município em 2019



Número de Latrocínios por Município em 2019



Número de tentativas de homicídio por Município em 2019



Homicídios

	logit hom 2010	In hom 2011	In hom 2012	In hom 2013	In hom 2014
(Intercept)	0.422*** (0.088)	24.703*** (0.923)	24.867*** (1.031)	25.000*** (1.075)	25.130*** (0.976)
treatedTRUE	0.158 (0.123)	-1.213 (1.278)	2.528+ (1.409)	1.017 (1.474)	1.547 (1.348)
Num.Obs.	1131	662	694	705	717
R2		0.001	0.005	0.001	0.002
R2 Adj.		0.000	0.003	-0.001	0.000
AIC	1500.7	5588.8	6024.0	6195.0	6186.0
BIC	1510.8	5602.3	6037.6	6208.6	6199.8
Log.Lik.		-2791.405	-3009.009	-3094.483	-3090.014
F	1.654	0.901	3.220	0.476	1.317
RMSE	0.48	16.41	18.48	19.50	18.01

+ p > 0.1, * p < 0.05, ** p < 0.01, *** p < 0.001

Homicídios

	In hom 2015	In hom 2016	In hom 2017	In hom 2018	In hom 2019
(Intercept)	3.029*** (0.037)	3.076*** (0.039)	3.094*** (0.037)	2.969*** (0.039)	2.972*** (0.038)
treatedTRUE	0.018 (0.052)	0.060 (0.054)	0.118* (0.051)	0.069 (0.053)	0.032 (0.052)
Num.Obs.	713	728	749	737	700
R2	0.000	0.002	0.007	0.002	0.001
R2 Adj.	-0.001	0.000	0.006	0.001	-0.001
AIC	1501.5	1597.3	1586.5	1616.8	1476.2
BIC	1515.3	1611.1	1600.4	1630.6	1489.9
Log.Lik.	-747.772	-795.667	-790.257	-805.398	-735.105
F	0.127	1.241	5.351	1.692	0.362
RMSE	0.69	0.72	0.69	0.72	0.69

+ p > 0.1, * p < 0.05, ** p < 0.01, *** p < 0.001

Homicídios x estados

	In hom 2010	In hom 2011	In hom 2012	In hom 2013	In hom 2014
(Intercept)	2.685*** (0.178)	3.009*** (0.164)	2.839*** (0.162)	3.085*** (0.158)	2.808*** (0.160)
treatedTRUE	0.067 (0.053)	-0.020 (0.053)	0.133* (0.054)	0.033 (0.052)	0.062 (0.052)
abbrev_stateAM	-0.213 (0.224)	-0.457* (0.205)	-0.298 (0.208)	-0.393+ (0.203)	-0.286 (0.204)
abbrev_stateAP	0.548* (0.260)	0.131 (0.236)	0.406+ (0.239)	0.167 (0.245)	0.575* (0.242)
abbrev_stateMS	0.368+ (0.192)	0.171 (0.181)	0.324+ (0.178)	-0.016 (0.173)	0.247 (0.176)
abbrev_stateMT	0.563** (0.198)	0.244 (0.186)	0.369* (0.186)	0.268 (0.182)	0.650*** (0.182)
abbrev_statePA	-0.492 (0.347)	-0.621+ (0.364)	0.205 (0.374)	-0.525 (0.333)	-0.303 (0.315)
abbrev_statePR	0.442* (0.178)	0.184 (0.165)	0.320* (0.162)	-0.016 (0.158)	0.238 (0.160)
abbrev_stateRO	0.554** (0.200)	0.050 (0.187)	0.201 (0.186)	-0.039 (0.180)	0.524** (0.183)
abbrev_stateRR	0.336 (0.248)	-0.025 (0.235)	0.312 (0.243)	0.270 (0.232)	0.575* (0.241)
abbrev_stateRS	0.103 (0.178)	-0.241 (0.166)	-0.099 (0.163)	-0.147 (0.159)	0.083 (0.161)
abbrev_stateSC	-0.075 (0.187)	-0.454* (0.177)	-0.214 (0.176)	-0.490** (0.170)	-0.112 (0.171)
abbrev_stateSP	-0.034 (0.351)	-0.579 (0.368)	-0.023 (0.345)	-0.609 (0.416)	-0.326 (0.374)
Num.Obs.	705	662	694	705	717
R2	0.112	0.129	0.110	0.078	0.108
R2 Adj.	0.097	0.113	0.094	0.062	0.093
AIC	1466.7	1340.4	1454.2	1442.4	1487.1
BIC	1530.6	1403.4	1517.8	1506.2	1551.1
Log.Lik.	-719.373	-656.222	-713.108	-707.187	-729.532
F	7.278	8.044	6.996	4.909	7.091
RMSE	0.67	0.65	0.68	0.66	0.67

+ p > 0.1, * p > 0.05, ** p > 0.01, *** p > 0.001

Homicídios x estados

	In hom 2015	In hom 2016	In hom 2017	In hom 2018	In hom 2019
(Intercept)	2.949*** (0.155)	3.334*** (0.163)	3.568*** (0.154)	3.444*** (0.170)	3.228*** (0.159)
treatedTRUE	0.002 (0.052)	0.043 (0.053)	0.089+ (0.051)	0.019 (0.052)	-0.007 (0.053)
abbrev_stateAM	-0.386+ (0.198)	-0.641** (0.206)	-0.719*** (0.196)	-0.486* (0.210)	-0.160 (0.199)
abbrev_stateAP	0.427+ (0.233)	0.045 (0.247)	-0.139 (0.237)	-0.264 (0.241)	0.090 (0.235)
abbrev_stateMS	0.109 (0.173)	-0.162 (0.180)	-0.377* (0.171)	-0.399* (0.187)	-0.281 (0.177)
abbrev_stateMT	0.462* (0.180)	0.066 (0.190)	-0.164 (0.177)	-0.115 (0.192)	0.112 (0.184)
abbrev_statePA	-0.104 (0.335)	-0.769* (0.321)	-0.809** (0.310)	-1.226*** (0.306)	-0.149 (0.312)
abbrev_statePR	0.144 (0.156)	-0.155 (0.163)	-0.450** (0.155)	-0.432* (0.171)	-0.253 (0.160)
abbrev_stateRO	0.315+ (0.180)	0.011 (0.186)	-0.305+ (0.177)	-0.432* (0.194)	-0.163 (0.183)
abbrev_stateRR	0.442+ (0.232)	0.104 (0.240)	-0.224 (0.231)	0.430+ (0.240)	0.328 (0.234)
abbrev_stateRS	0.014 (0.157)	-0.302+ (0.164)	-0.440** (0.155)	-0.459** (0.171)	-0.240 (0.160)
abbrev_stateSC	-0.126 (0.168)	-0.745*** (0.175)	-0.913*** (0.165)	-0.910*** (0.181)	-0.644*** (0.171)
abbrev_stateSP	-0.569 (0.370)	-0.882* (0.381)	-1.003** (0.336)	-1.060** (0.383)	-0.565+ (0.317)
Num.Obs.	713	728	749	737	700
R2	0.073	0.108	0.098	0.113	0.076
R2 Adj.	0.057	0.093	0.083	0.098	0.060
AIC	1469.6	1537.7	1536.5	1552.0	1442.9
BIC	1533.5	1602.0	1601.1	1616.4	1506.6
Log.Lik.	-720.776	-754.847	-754.235	-761.999	-707.461
F	4.600	7.185	6.676	7.697	4.737
RMSE	0.66	0.68	0.66	0.68	0.66

+ p > 0.1, * p > 0.05, ** p > 0.01, *** p < 0.001

Outros crimes

	In feminicidio	In hom doloso	In lesao	In mandado
(Intercept)	1.797*** (0.144)	3.173*** (0.062)	1.736*** (0.237)	4.636*** (0.068)
treatedTRUE	-0.398* (0.194)	-0.180* (0.085)	-0.026 (0.355)	-0.052 (0.091)
Num.Obs.	155	623	72	626
R2	0.027	0.007	0.000	0.001
R2 Adj.	0.020	0.006	-0.014	-0.001
AIC	990.6	5682.8	514.8	7711.0
BIC	999.7	5696.1	521.6	7724.4
Log.Lik.	-247.646	-920.847	-130.240	-967.972
F	4.201	4.462	0.005	0.327
RMSE	1.20	1.06	1.48	1.14

+ p > 0.1, * p > 0.05, ** p > 0.01, *** p > 0.001

Outros crimes

	In transito	In esclarecer	In latrocínio	In tentativa
(Intercept)	3.091*** (0.061)	3.120*** (0.078)	1.816*** (0.141)	3.339*** (0.058)
treatedTRUE	-0.234** (0.086)	-0.249* (0.110)	-0.046 (0.213)	-0.012 (0.080)
Num.Obs.	587	532	136	571
R2	0.013	0.010	0.000	0.000
R2 Adj.	0.011	0.008	-0.007	-0.002
AIC	5208.2	4948.2	934.9	5374.2
BIC	5221.3	4961.0	943.6	5387.2
Log.Lik.	-855.702	-878.376	-220.270	-781.120
F	7.437	5.153	0.047	0.023
RMSE	1.04	1.26	1.22	0.95

+ p > 0.1, * p > 0.05, ** p > 0.01, *** p > 0.001

Outros crimes x estados

	In feminicidio	In hom doloso	In lesao	In mandado
(Intercept)	1.398** (0.429)	3.273*** (0.255)	1.252 (1.040)	4.797*** (0.204)
treatedTRUE	-0.205 (0.192)	-0.156+ (0.085)	0.276 (0.359)	0.079 (0.073)
abbrev_stateAP	-0.960 (0.760)	0.037 (0.366)	0.355 (1.226)	-0.553 (0.337)
abbrev_stateMS	-0.393 (0.472)	-0.252 (0.282)	0.198 (1.134)	0.173 (0.221)
abbrev_stateMT	-0.215 (0.502)	0.041 (0.294)	0.036 (1.209)	-0.223 (0.250)
abbrev_statePA	-0.161 (1.169)	-0.407 (0.482)		-1.184** (0.404)
abbrev_statePR	1.057* (0.436)	0.287 (0.256)	1.206 (1.040)	1.090*** (0.213)
abbrev_stateRO	-0.856 (0.590)	-0.193 (0.286)	0.009 (1.226)	-0.481* (0.230)
abbrev_stateRR	-0.066 (0.736)	-0.045 (0.364)	-0.039 (1.381)	-1.931*** (0.362)
abbrev_stateRS	0.182 (0.421)	-0.319 (0.256)	-0.685 (1.050)	-0.949*** (0.204)
abbrev_stateSC	0.817 (0.513)	-0.556* (0.283)	-0.263 (1.381)	-0.158 (0.208)
abbrev_stateAM		-1.007* (0.393)	-0.179 (1.393)	-1.182*** (0.251)
abbrev_stateSP		-1.077* (0.489)		0.678* (0.323)
Num.Obs.	155	623	72	626
R2	0.253	0.100	0.259	0.425
R2 Adj.	0.201	0.082	0.138	0.413
AIC	967.6	5643.9	511.1	7387.5
BIC	1004.1	5705.9	538.5	7449.6

Outros crimes x estados

	In transito	In esclarecer	In latrocínio	In tentativa
(Intercept)	2.909*** (0.267)	1.331** (0.448)	1.612*** (0.440)	2.670*** (0.317)
treatedTRUE	-0.155+ (0.087)	-0.227* (0.103)	-0.018 (0.215)	0.022 (0.080)
abbrev_stateAM	-1.179* (0.567)	0.124 (0.797)	0.230 (0.858)	-1.126+ (0.616)
abbrev_stateAP	-0.188 (0.387)	0.159 (0.727)	-0.164 (0.632)	0.944* (0.436)
abbrev_stateMS	-0.144 (0.292)	2.314*** (0.461)	-0.459 (0.528)	0.631+ (0.329)
abbrev.stateMT	-0.077 (0.312)	1.104* (0.493)	-0.231 (0.500)	1.014** (0.344)
abbrev.statePA	-1.480** (0.564)		-1.068 (1.171)	0.579 (0.464)
abbrev.statePR	0.493+ (0.270)	2.246*** (0.448)	1.022* (0.434)	0.566+ (0.323)
abbrev.stateRO	-0.079 (0.308)	0.872+ (0.484)	-0.672 (0.591)	0.980** (0.339)
abbrev.stateRR	-0.560 (0.437)	0.873 (0.642)	-0.035 (0.665)	-0.314 (0.414)
abbrev.stateRS	0.195 (0.266)	1.592*** (0.447)	-0.283 (0.455)	0.692* (0.316)
abbrev.stateSC	-0.012 (0.284)		-0.528 (0.642)	0.648* (0.326)
abbrev.stateSP	-0.228 (0.490)	0.991 (0.650)	-0.322 (1.171)	-0.500 (0.492)
Num.Obs.	587	532	136	571
R2	0.092	0.188	0.287	0.084
R2 Adj.	0.073	0.173	0.218	0.064
AIC	5181.1	4860.2	910.9	5346.3
BIC	5242.3	4911.6	951.6	5407.2
Log.Lik.	-831.140	-825.400	-197.266	-756.183
F	4.836	12.100	4.131	4.246
RMSE	1.00	1.14	1.03	0.91

+ p | 0.1, * p | 0.05, ** p | 0.01, *** p | 0.001

Efeitos marginais no modelo Logit: homicídios em 2019

```
logitmfx(formula = 'valor-2019' ~ treated + abbrev state, data = df rdd3)
Marginal Effects:
dF/dx Std. Err. z P>|z|—
treatedTRUE -0.053197 0.030011 -1.7725 0.07630 .
abbrev stateAM -0.172346 0.220765 -0.7807 0.43499
abbrev stateAP 0.052374 0.273576 0.1914 0.84818
abbrev stateMS -0.236153 0.194370 -1.2150 0.22438
abbrev stateMT -0.312723 0.180691 -1.7307 0.08350 .
abbrev statePA -0.139558 0.327589 -0.4260 0.67010
abbrev statePR -0.411885 0.160189 -2.5712 0.01013 *
abbrev stateRO -0.170666 0.207871 -0.8210 0.41164
abbrev stateRR 0.073823 0.262651 0.2811 0.77866
abbrev stateRS -0.539566 0.135978 -3.9680 7.246e-05 ***
abbrev stateSC -0.522341 0.119584 -4.3680 1.254e-05 ***
abbrev stateSP -0.517981 0.106387 -4.8689 1.122e-06 ***
— Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevstateAM" "abbrevstateAP" "abbrevstateMS"
"abbrevstateMT" "abbrevstatePA" "abbrevstatePR" "abbrevstateRO"
"abbrevstateRR" "abbrevstateRS" "abbrevstateSC" "abbrevstateSP"
```

Efeitos marginais no modelo Logit: feminicídio

```
logitmfx(formula = feminicidio_p ~ treated + abbrevsate, data = df_dd3)
```

Marginal Effects:

dF/dx Std. Err. z P_i—z—

treatedTRUE 0.00077599 0.02016223 0.0385 0.9693

abbrevsateAM -0.121736471.29786668 -0.09380.9253

abbrevsateAP -0.042994740.88357972 -0.04870.9612

abbrevsateMS -0.033945440.68790326 -0.04930.9606

abbrevsateMT -0.037313720.75905669 -0.04920.9608

abbrevsatePA -0.054796331.14153841 -0.04800.9617

abbrevsatePR -0.072773921.45622032 -0.05000.9601

abbrevsateRO -0.063342461.31853476 -0.04800.9617

abbrevsateRR -0.043172650.88739169 -0.04870.9612

abbrevsateRS -0.088777451.73758430 -0.05110.9593

abbrevsateSC -0.082695751.70274814 -0.04860.9613

abbrevsateSP -0.093016731.67232474 -0.05560.9556

dF/dx is for discrete change for the following variables:

```
[1] "treatedTRUE" "abbrevsateAM" "abbrevsateAP" "abbrevsateMS"
```

```
"abbrevsateMT" "abbrevsatePA" "abbrevsatePR" "abbrevsateRO"
```

```
"abbrevsateRR" "abbrevsateRS" "abbrevsateSC" "abbrevsateSP"
```

Efeitos marginais no modelo Logit: homicídio doloso

```
logitmfx(formula = homdolosopc treated + abbrevstate, data = dfrdd3)
Marginal Effects:
dF/dx Std. Err. z Pi—z—
treatedTRUE -0.015842 0.031921 -0.4963 0.6196926
abbrevstateAM - 0.4466140.082314 - 5.42575.772e - 08 * **
abbrevstateAP0.2318010.1909251.21410.2247110
abbrevstateMS - 0.0956750.155587 - 0.61490.5386033
abbrevstateMT - 0.1478400.154205 - 0.95870.3377004
abbrevstatePA0.0645430.2821280.22880.8190471
abbrevstatePR - 0.2397900.134895 - 1.77760.0754685.
abbrevstateRO0.1606520.1476381.08820.2765272
abbrevstateRR0.2365990.1874061.26250.2067728
abbrevstateRS - 0.4273720.115966 - 3.68530.0002284 * ***
abbrevstateSC - 0.4617000.089885 - 5.13662.798e - 07 * **
abbrevstateSP - 0.3544820.139175 - 2.54700.0108648*
— Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevstateAM"" abbrevstateAP"" abbrevstateMS"
"abbrevstateMT"" abbrevstatePA"" abbrevstatePR"" abbrevstateRO"
"abbrevstateRR"" abbrevstateRS"" abbrevstateSC"" abbrevstateSP"
```

Efeitos marginais no modelo Logit: lesão

```
logitmfx(formula = lesao ~ treated + abbrevsate, data = df_dd3)
Marginal Effects:
dF/dx Std. Err. z P<--z--
treatedTRUE -0.0175434 0.1484350 -0.1182 0.9059
abbrevsateAM - 0.01909450.1666577 - 0.11460.9088
abbrevsateAP0.07325030.57905190.12650.8993
abbrevsateMS - 0.00581220.0585650 - 0.09920.9209
abbrevsateMT - 0.01722800.1501973 - 0.11470.9087
abbrevsatePA - 0.04673620.3280809 - 0.14250.8867
abbrevsatePR - 0.00646390.0625423 - 0.10340.9177
abbrevsateRO - 0.01384040.1217282 - 0.11370.9095
abbrevsateRR0.02150730.18877340.11390.9093
abbrevsateRS - 0.04027230.3423881 - 0.11760.9064
abbrevsateSC - 0.04880550.4236650 - 0.11520.9083
abbrevsateSP - 0.04980480.2654572 - 0.18760.8512
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevsateAM" "abbrevsateAP" "abbrevsateMS"
"abbrevsateMT" "abbrevsatePA" "abbrevsatePR" "abbrevsateRO"
"abbrevsateRR" "abbrevsateRS" "abbrevsateSC" "abbrevsateSP"
```

Efeitos marginais no modelo Logit: mandado

```
logitmfx(formula = mandadopc treated + abbrevsstate, data = dfdd3)
Marginal Effects:
dF/dx Std. Err. z Pi—z—
treatedTRUE 0.00060792 0.03202285 0.0190 0.984854
abbrevsstateAM -0.189217770.30718852 -0.61600.537917
abbrevsstateAP -0.498670700.47588907 -1.04790.294698
abbrevsstateMS0.000193570.272158600.00070.999433
abbrevsstateMT -0.575408140.59238226 -0.97130.331376
abbrevsstatePA -0.303059770.33479697 -0.90520.365357
abbrevsstatePR -0.721355010.25247819 -2.85710.004275 * *
abbrevsstateRO -0.059190340.29342153 -0.20170.840132
abbrevsstateRR -0.558014620.65224470 -0.85550.392258
abbrevstateRS -0.687441740.16852938 -4.07914.522e -05 * **
abbrevstateSC -0.252226770.27304853 -0.92370.355620
abbrevstateSP0.390333070.0198674419.6469 < 2.2e -16 * **
— Signif. codes: 0 *** 0.001 ** 0.01 * 0.05 . 0.1 ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevsstateAM" "abbrevsstateAP" "abbrevsstateMS"
"abbrevsstateMT" "abbrevsstatePA" "abbrevsstatePR" "abbrevsstateRO"
"abbrevsstateRR" "abbrevsstateRS" "abbrevsstateSC" "abbrevsstateSP"
```

Efeitos marginais no modelo Logit: trânsito

```
logitmfx(formula = transito_p ~ treated + abbrevsate, data = df, dd3)
Marginal Effects:
dF/dx Std. Err. z P>|z|—
treatedTRUE -0.060723 0.031214 -1.9454 0.051728 .
abbrevsateAM - 0.4867680.041459 - 11.7409 < 2.2e - 16 * ***
abbrevsateAP0.0730320.1948940.37470.707864
abbrevsateMS - 0.0186260.138528 - 0.13450.893042
abbrevsateMT - 0.1902790.124513 - 1.52820.126466
abbrevsatePA - 0.1841550.201676 - 0.91310.361177
abbrevsatePR - 0.2578370.112756 - 2.28670.022215*
abbrevsateRO - 0.1127850.136654 - 0.82530.409182
abbrevsateRR - 0.2031750.153440 - 1.32410.185457
abbrevsateRS - 0.2709680.113488 - 2.38760.016958*
abbrevsateSC - 0.2956760.102492 - 2.88490.003916 * *
abbrevsateSP - 0.2791000.140643 - 1.98450.047205*
— Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevsateAM" "abbrevsateAP" "abbrevsateMS"
"abbrevsateMT" "abbrevsatePA" "abbrevsatePR" "abbrevsateRO"
"abbrevsateRR" "abbrevsateRS" "abbrevsateSC" "abbrevsateSP"
```

Efeitos marginais no modelo Logit: esclarecer

```
logitmfx(formula = esclarecer ~ treated + abbrevsate, data = df_dd3)
Marginal Effects:
dF/dx Std. Err. z P<math>\downarrow</math>z<math>\downarrow</math>
treatedTRUE -0.0030027 0.1026236 -0.0293 0.9767
abbrevsateAM - 0.08299643.0804033 - 0.02690.9785
abbrevsateAP - 0.02244000.7838715 - 0.02860.9772
abbrevsateMS0.67142244.43986500.15120.8798
abbrevsateMT0.07529402.33022530.03230.9742
abbrevsatePA - 0.11517674.2702776 - 0.02700.9785
abbrevsatePR0.14508364.34672820.03340.9734
abbrevsateRO0.17271444.65336610.03710.9704
abbrevsateRR0.03839491.24292470.03090.9754
abbrevsateRS0.07266452.37468450.03060.9756
abbrevsateSC - 0.49673462.3177188 - 0.21430.8303
abbrevsateSP0.09030272.71995540.03320.9735
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevsateAM" "abbrevsateAP" "abbrevsateMS"
"abbrevsateMT" "abbrevsatePA" "abbrevsatePR" "abbrevsateRO"
"abbrevsateRR" "abbrevsateRS" "abbrevsateSC" "abbrevsateSP"
```

Efeitos marginais no modelo Logit: tentativa de homicídio

```
logitmfx(formula = tentativa_homicidio_treated + abbreviate_state, data = df_dd3)
Marginal Effects: dF/dx Std. Err. z P<=z—
treatedTRUE -0.028986 0.032950 -0.8797 0.3790
abbreviate_AM -0.4026950.267183 -1.50720.1318
abbreviate_AP0.1674060.1655641.01110.3120
abbreviate_MS0.4613600.4287491.07610.2819
abbreviate_MT0.2405050.1729721.39040.1644
abbreviate_PA0.4849590.01725928.0991 < 2e - 16 * ***
abbreviate_PR -0.0817020.113592 -0.71930.4720
abbreviate_RO0.3739980.3182491.17520.2399
abbreviate_RR0.2860790.2354151.21520.2243
abbreviate_RS0.0578430.1114070.51920.6036
abbreviate_SC0.1342370.1178061.13950.2545
abbreviate_SP0.0615110.1772170.34710.7285
— Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbreviate_AM" "abbreviate_AP" "abbreviate_MS"
[5] "abbreviate_MT" "abbreviate_PA" "abbreviate_PR" "abbreviate_RO"
[9] "abbreviate_RR" "abbreviate_RS" "abbreviate_SC" "abbreviate_SP"
```

Efeitos marginais no modelo Logit: latrocínio

```
logitmfx(formula = latrocinio_p ~ treated + abbrevsate, data = df_dd3)
Marginal Effects:
dF/dx Std. Err. z P>|z|—
treatedTRUE -0.050512 0.018590 -2.7172 0.0065842 **
abbrevsateAM - 0.0962620.013513 - 7.12361.051e - 12 * ***
abbrevsateAP - 0.0311680.046803 - 0.66590.5054524
abbrevsateMS - 0.0818820.018513 - 4.42299.739e - 06 * ***
abbrevsateMT - 0.0575840.026419 - 2.17960.0292844*
abbrevsatePA - 0.0746540.031607 - 2.36200.0181790*
abbrevsatePR - 0.0982050.029335 - 3.34780.0008147 * ***
abbrevsateRO - 0.0832890.017627 - 4.72512.300e - 06 * ***
abbrevsateRR - 0.0343310.046080 - 0.74500.4562502
abbrevsateRS - 0.1802350.037248 - 4.83871.307e - 06 * ***
abbrevsateSC - 0.1330520.015339 - 8.6742 < 2.2e - 16 * ***
abbrevsateSP - 0.0925240.015018 - 6.16107.228e - 10 * ***
— Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
dF/dx is for discrete change for the following variables:
[1] "treatedTRUE" "abbrevsateAM" "abbrevsateAP" "abbrevsateMS"
"abbrevsateMT" "abbrevsatePA" "abbrevsatePR" "abbrevsateRO"
"abbrevsateRR" "abbrevsateRS" "abbrevsateSC" "abbrevsateSP"
```