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Supplementary Table S1 Ethnic differences of cases by city, PUMAS Brazil Project (2021-2024)

	São Paulo	Goiânia	Salvador	Fortaleza	Belém	p-value*
Cases, n	2,390	1,985	1,508	1,239	410	
Ethnicity, n (%)						**< 0.001**
Black	344 (14.4)	221 (11.2)$^{+}$	527 (35.0)$^{+}$	112 (9.1)$^{+}$	66 (16.1)$^{+}$	
Mixed race (*pardos*)	781 (32.8)	1,483 (74.9)$^{+}$	752 (49.9)	1,058 (85.5)$^{+}$	284 (69.4)$^{+}$	
Indigenous	10 (0.4)	4 (0.2)	13 (0.9)	7 (0.6)$^{+}$	3 (0.7)	
White	1,248 (52.4)	273 (13.8)$^{-}$	215 (14.3)$^{-}$	61 (4.9)$^{-}$	56 (13.7)$^{-}$	

Bold type denotes statistical significance.
Multinomial logistic regression was used to examine racial differences in cases across the recruitment sites, with São Paulo as the reference category. A positive (+) sign indicates an increased likelihood of being from a specific city relative to São Paulo for a given race, while a negative (–) sign reflects a decreased likelihood.

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Supplementary Table S2 Comparison of sociodemographic characteristics between cases and controls using inverse propensity score weighting, PUMAS Brazil Project (2021-2024)

	Before inverse propensity score weighting		Applying inverse propensity score weighting	
	OR (95%CI) Case vs Control	**p-value***	**OR (95%CI) Case vs Control**	**p-value***
Sex				
Female	1		1	
Male	1.02 (0.96-1.09)	0.498	1.02 (0.91-1.15)	0.717
Ethnicity				
Black	1		1	
Mixed race	1.32 (1.20-1.44)	**< 0.001**	0.99 (0.86-1.14)	0.861
Indigenous	1.38 (0.83-2.28)	0.211	0.79 (0.41-1.53)	0.492
White	1.01 (0.91-1.118)	0.832	0.90 (0.77-1.01)	0.196
Income				
None	1		1	
< 2 x minimum wage	0.25 (0.22-0.27)	**< 0.001**	1.04 (0.89-1.21)	0.654
2-4 x minimum wage	0.10 (0.09-0.11)	**< 0.001**	1.00 (0.84-1.19)	0.984
≥ 5 x minimum wage	0.18 (0.16-0.21)	**< 0.001**	0.83 (0.63-1.09)	0.173
Years of education				
< 9	1		1	
≥ 9 to < 12	0.61 (0.54-0.69)	**< 0.001**	1.02 (0.82-1.27)	0.864
12	0.38 (0.34-0.42)	**< 0.001**	0.98 (0.82-1.18)	0.860
> 12	0.39 (0.36-0.44)	**< 0.001**	0.91 (0.76-1.09)	0.314
Marital status				
Married/cohabiting	1		1	
Widower	2.83 (2.23-3.60)	**< 0.001**	0.92 (0.65-1.30)	0.634
Divorced/separated	3.00 (2.67-3.37)	**< 0.001**	0.82 (0.66-1.02)	0.077
Single	3.10 (2.87-3.34)	**< 0.001**	1.12 (0.99-1.24)	0.341
Employment				
Full time	1		1	
Part time	3.90 (3.39-4.48)	**< 0.001**	0.96 (0.83-1.12)	0.612
Homemaker/caregiver	12.35 (9.60-15.89)	**< 0.001**	0.85 (0.64-1.14)	0.287
Student	2.11 (1.75-2.53)	**< 0.001**	0.98 (0.80-1.20)	0.854
Unemployed	29.24 (25.89-33.02)	**< 0.001**	1.05 (0.92-1.21)	0.462
Retiree	11.27 (8.69-14.63)	**< 0.001**	1.11 (0.84-1.46)	0.457
Retired or on disability	54.28 (44.80-65.78)	**< 0.001**	1.09 (0.83-1.41)	0.541

OR = odds ratio.