

Supplementary Table 1. Prevalence rates of noncommunicable diseases in the study population and their 95% confidence intervals (95%CI). Brazil, 2019, n=57,229 (exposure by sex) and n=57,225 (exposure by race/skin color)

	Total population (n=57,229)	White males (n=9,439)	Brown males (n=13,297)	Black males (n=3,177)	White females (n=11,089)	Brown females (n=16,713)	Black females (n=3,510)
Noncommunicable chronic diseases	Proportion (95%CI)						
Arthritis/rheumatism							
No	94.9 (94.5-95.3)	97.3 (96.7-97.7)	96.7 (95.5-97.6)	98.0 (97.1-98.6)	93.1 (92.1-93.8)	93.2(92.6-93.8)	93.1 (91.6-94.3)
Yes	5.1 (4.6-5.4)	2.7 (2.2-3.2)	3.3 (2.3-4.4)	2.0 (1.3-2.8)	6.9 (6.1-7.8)	6.7 (6.1-7.3)	6.9 (5.6-8.3)
Asthma							
No	94.4 (94.0-94.7)	95.0 (94.1-95.7)	95.8 (95.0-96.4)	95.6 (94.1-96.7)	93.4 (92.5-94.0)	93.7 (92.9-94.4)	93.3 (91.9-94.5)
Yes	5.6 (5.2-5.9)	5.0 (4.2-5.8)	4.2 (3.5-4.9)	4.4 (3.2-5.8)	6.6 (5.9-7.4)	6.3 (5.5-7.0)	6.7 (5.4-8.0)
Cancer							
No	98.5 (98.2-98.6)	98.8 (98.4-99.0)	99.3 (99.0-99.5)	99.1 (98.2-99.5)	97.5 (96.9-97.9)	98.3 (97.8-98.5)	98.7 (98.0-99.1)
Yes	1.5 (1.3-1.7)	1.2 (0.9-1.5)	0.7 (0.4-0.9)	0.9 (0.4-1.7)	2.5 (2.0-3.0)	1.7 (1.4-2.1)	1.3 (0.8-1.9)
Cardiovascular disease							
No	96.6 (96.3-96.8)	96.8 (96.0-97.3)	96.8 (95.9-97.3)	96.5 (95.2-97.4)	96.4 (95.7-96.9)	96.7 (96.2-97.0)	96.2 (95.0-97.0)
Yes	3.4 (3.1-3.6)	3.2 (2.6-3.9)	3.2 (2.6-4.0)	3.5 (2.5-4.7)	3.6 (3.0-4.2)	3.3 (2.9-3.7)	3.8 (2.9-4.9)
Chronic back problem							
No	80.7 (80.0-81.2)	83.4 (81.9-84.6)	82.7 (81.4-83.9)	84.6 (82.4-86.5)	77.9 (76.4-79.2)	79.0 (77.9-80.1)	78.7 (76.4-80.7)
Yes	19.3 (18.7-19.9)	16.6 (15.3-18.0)	17.3 (16.0-18.5)	15.4 (13.4-17.5)	22.1 (20.7-23.5)	21.0 (19.8-22.0)	21.3 (19.2-23.5)
Chronic kidney disease							
No	98.8 (98.5-98.9)	98.8 (98.4-99.1)	98.7 (98.3-99.0)	99.2 (98.0-99.6)	98.6 (98.2-98.9)	98.9 (98.5-99.0)	98.3 (97.4-98.9)
Yes	1.2 (1.0-1.4)	1.2 (0.85-1.5)	1.3 (0.9-1.6)	0.8 (0.3-1.9)	1.4 (1.0-1.7)	1.2 (0.9-1.4)	1.7 (1.0-2.5)
Chronic obstructive pulmonary disease							
No	98.6 (98.3-98.7)	98.7 (98.2-99.0)	98.7 (98.2-99.0)	98.7 (97.5-99.2)	98.5 (98.0-98.8)	98.6 (98.0-99.0)	97.9 (96.8-98.6)
Yes	1.4 (1.2-1.6)	1.3 (0.9-1.7)	1.3 (0.9-1.7)	1.3 (0.7-2.4)	1.5 (1.1-1.9)	1.4 (0.9-1.9)	2.1 (1.3-3.1)

Supplementary Table 1. Continued

	Total population (n=57,229)	White males (n=9,439)	Brown males (n=13,297)	Black males (n=3,177)	White females (n=11,089)	Brown females (n=16,713)	Black females (n=3,510)
Noncommunicable chronic diseases	Proportion (95%CI)						
Depression							
No	89.5 (89.0-89.9)	93.7 (92.8-94.4)	95.7 (94.8-96.3)	95.9 (94.6-96.9)	82.5 (81.1-83.7)	87.0 (85.9-87.9)	87.2 (85.2-88.8)
Yes	10.5 (10.0-10.9)	6.3 (5.5-7.1)	4.3 (3.6-5.1)	4.1 (3.0-5.3)	17.5 (16.2-18.8)	13.0 (12.1-14.0)	12.8 (11.1-14.7)
Diabetes							
No	94.9 (94.5-95.1)	95.5 (94.6-96.1)	95.8 (95.1-96.3)	94.9 (93.6-95.9)	94.9 (94.2-95.5)	93.8 (93.1-94.4)	94.3 (93.0-95.2)
Yes	5.1 (4.8-5.4)	4.5 (3.8-5.3)	4.2 (3.6-4.8)	5.1 (4.0-6.3)	5.1 (4.4-5.7)	6.2 (5.5-6.8)	5.7 (4.7-6.9)
Hypercholesterolemia							
No	87.7 (87.2-88.2)	88.5 (87.3-89.5)	90.4 (89.4-91.1)	91.5 (89.5-93.0)	85.6 (84.3-86.6)	86.3 (85.4-87.1)	87.3 (85.3-89.0)
Yes	12.3 (11.7-12.7)	11.5 (10.4-12.6)	9.6 (8.8-10.5)	8.5 (6.9-10.4)	14.4 (13.3-15.6)	13.7 (12.8-14.5)	12.7 (10.9-14.6)
Hypertension							
No	81.7 (81.1-82.3)	84.3 (82.9-85.4)	84.7 (83.5-85.7)	84.1 (81.9-86.0)	81.4 (80.0-82.6)	78.9 (77.7-79.9)	74.6 (72.3-76.8)
Yes	18.3 (17.6-18.8)	15.7 (14.5-17.0)	15.3 (14.2-16.4)	15.9 (13.9-18.0)	18.6 (17.3-19.9)	21.1 (20.0-22.2)	25.4 (23.1-27.6)
Mental illness							
No	92.6 (92.1-92.9)	94.4 (93.4-95.1)	95.5 (94.7-96.1)	96.2 (94.7-97.2)	88.6 (87.4-89.5)	91.6 (90.8-92.3)	92.9 (91.4-94.1)
Yes	7.4 (7.0-7.8)	5.6 (4.8-6.5)	4.5 (3.8-5.2)	3.8 (2.7-5.2)	11.4 (10.4-12.5)	8.4 (7.6-9.1)	7.1 (5.8-8.5)
Stroke							
No	99.0 (98.7-99.0)	99.1 (98.7-99.3)	99.1 (98.7-99.2)	98.9 (98.2-99.3)	99.1 (98.7-99.3)	98.8 (98.3-99.0)	98.4 (97.5-98.9)
Yes	1.0 (0.9-1.2)	0.9 (0.6-1.2)	0.9 (0.7-1.2)	1.1 (0.6-1.7)	0.9 (0.6-1.2)	1.2 (0.9-1.6)	1.6 (1.0-2.4)
Work-related osteomuscular disorder							
No	97.2 (96.8-97.4)	97.5 (96.8-98.0)	98.3 (97.8-98.6)	98.5 (97.7-99.0)	96.0 (95.2-96.6)	96.9 (96.2-97.4)	96.9 (95.8-97.6)
Yes	2.8 (2.5-3.1)	2.5 (1.9-3.1)	1.7 (1.3-2.1)	1.5 (0.9-2.2)	4.0 (3.3-4.7)	3.1 (2.5-3.7)	3.1 (2.3-4.1)