

THE CHALLENGES OF CONDUCTING BUILT ENVIRONMENT & PHYSICAL ACTIVITY STUDIES IN LATIN AMERICA: THE IPEN-STUDY EXPERIENCE (BRAZIL, COLOMBIA AND MEXICO)

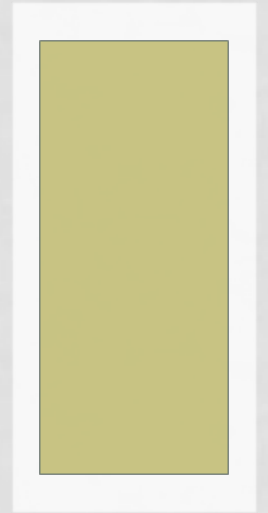
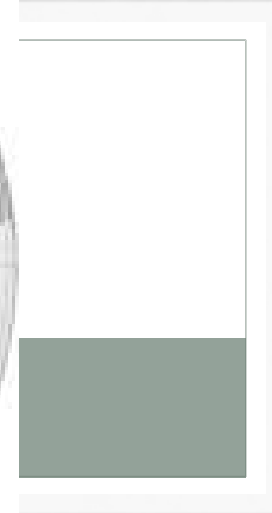
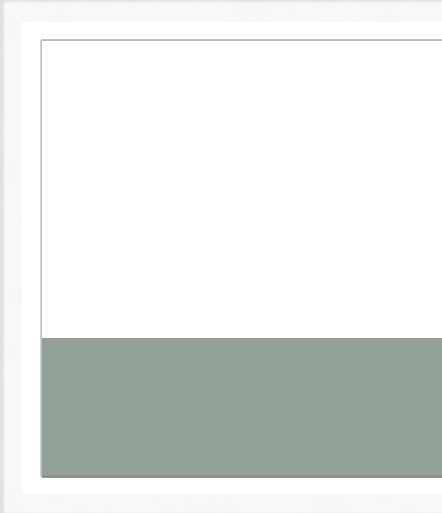
RODRIGO S REIS

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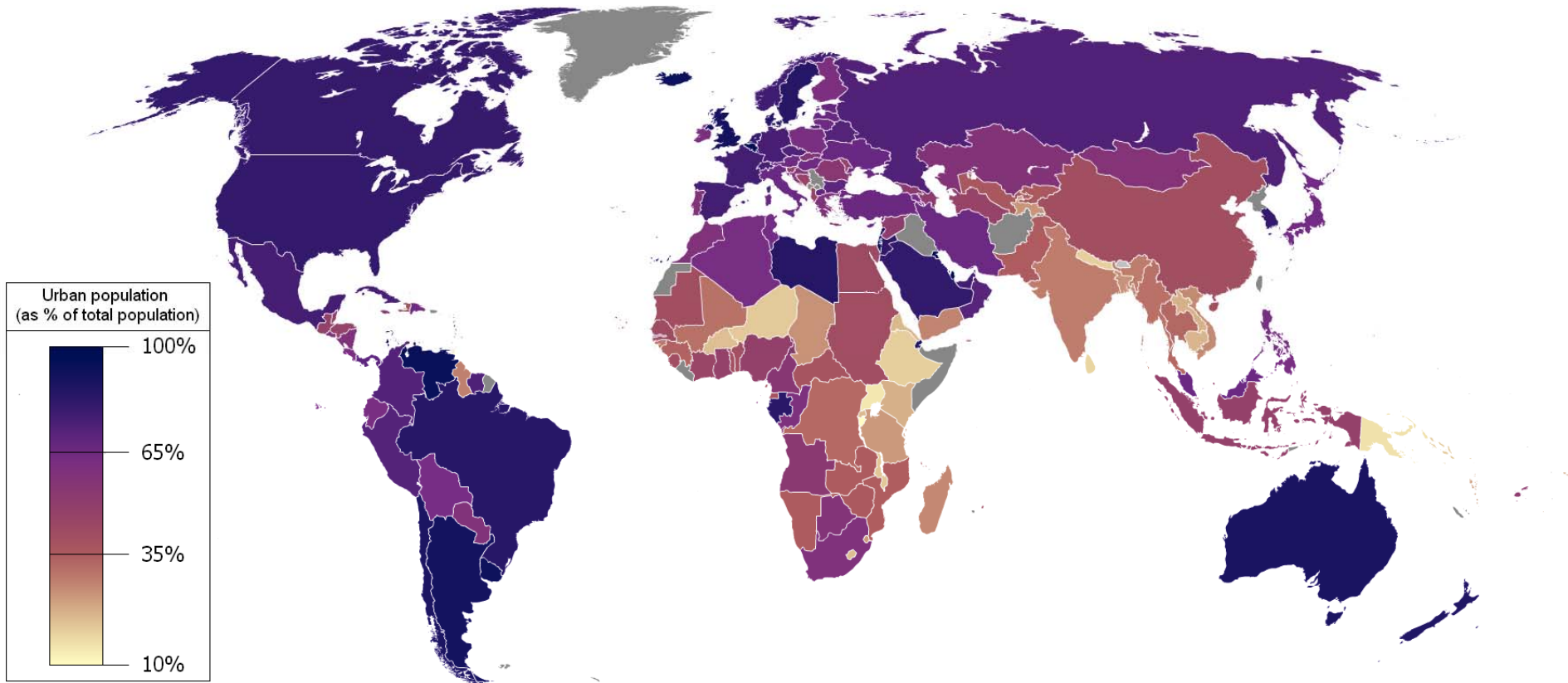
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LATIN(?) AMERICA

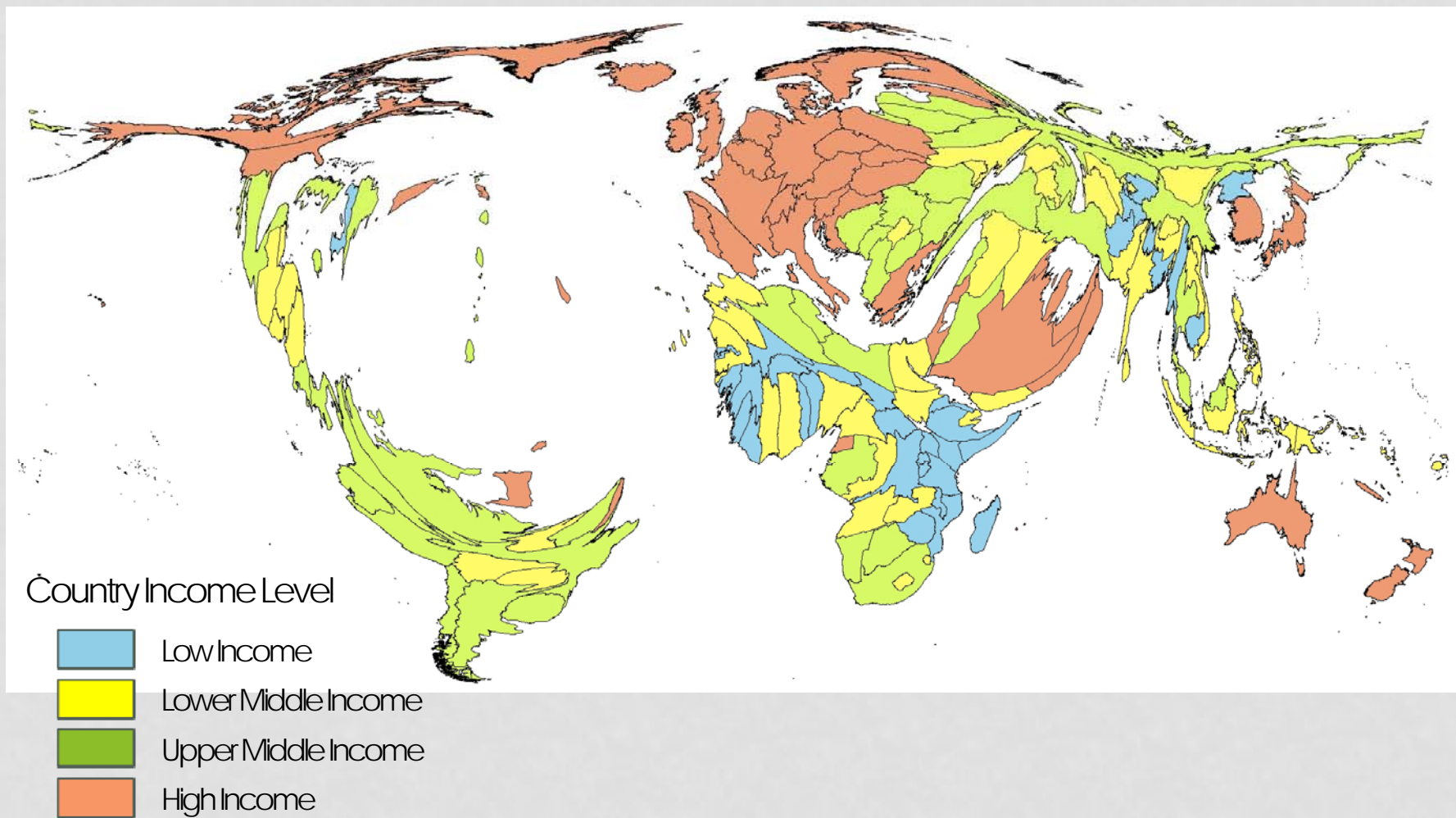


Urbanization in world



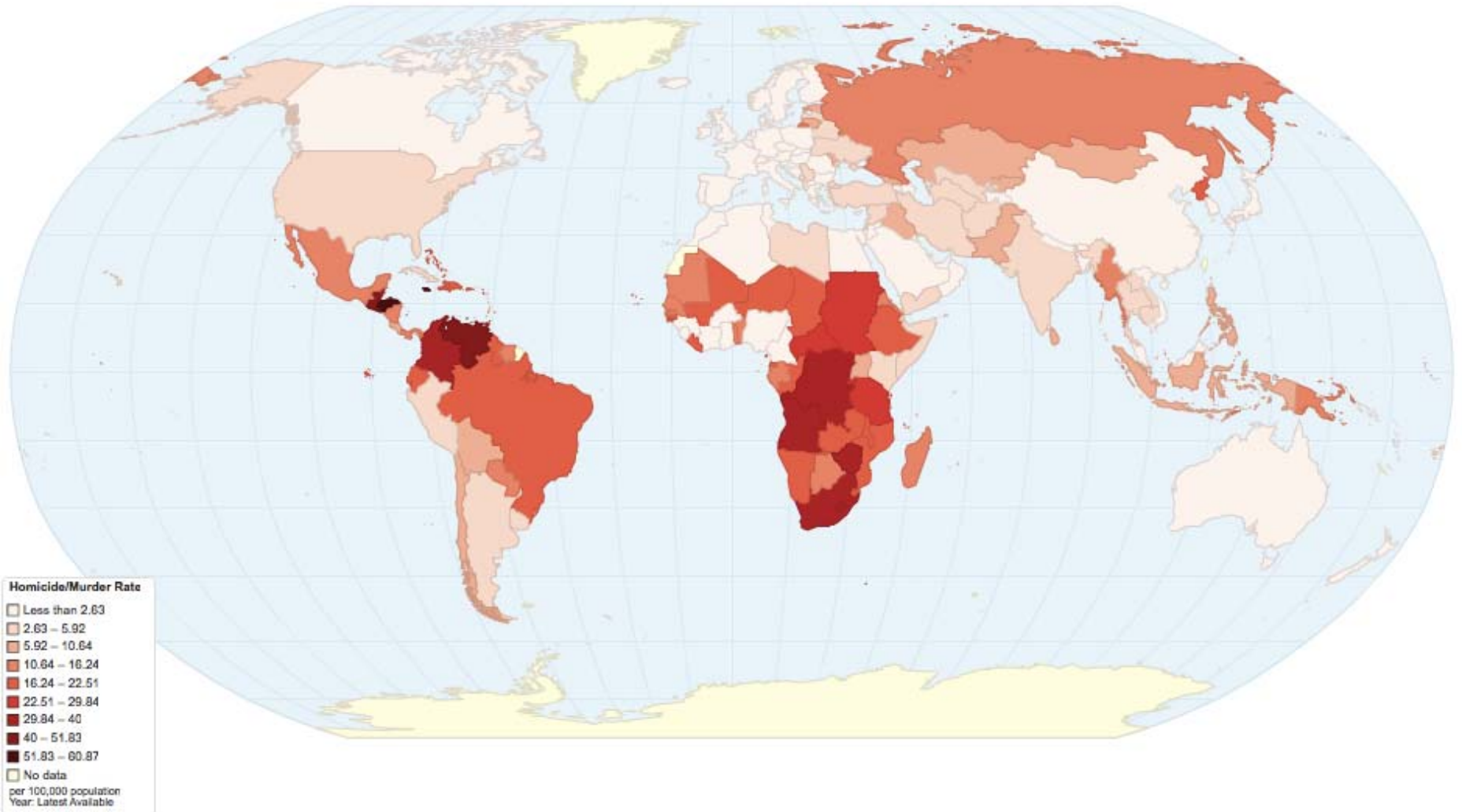
Source: UN Human Development Report 2007/2008

Urbanization in world

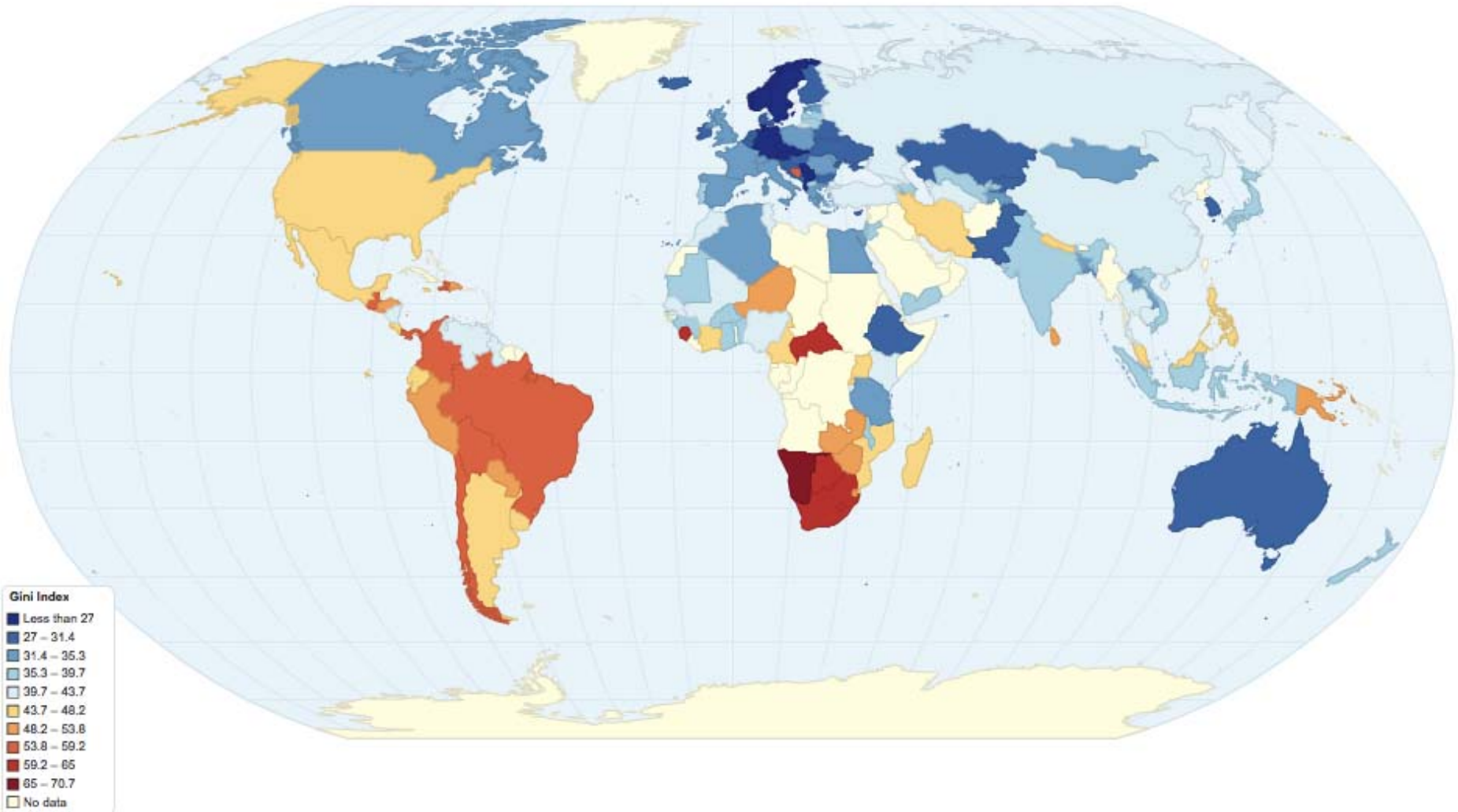


United Nations, Department of Economic and Social Affairs, Population Division (2012). World Urbanization Prospects: The 2011 Revision, CD-ROM Edition.

Homicides in world

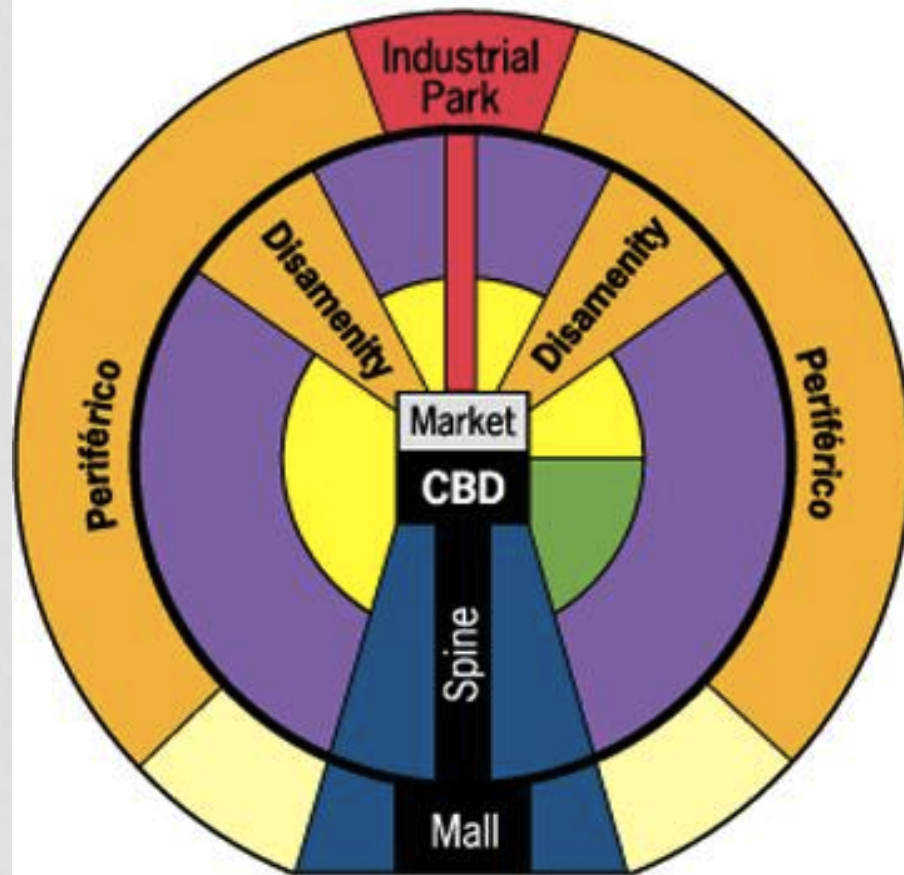






Inequalities in world



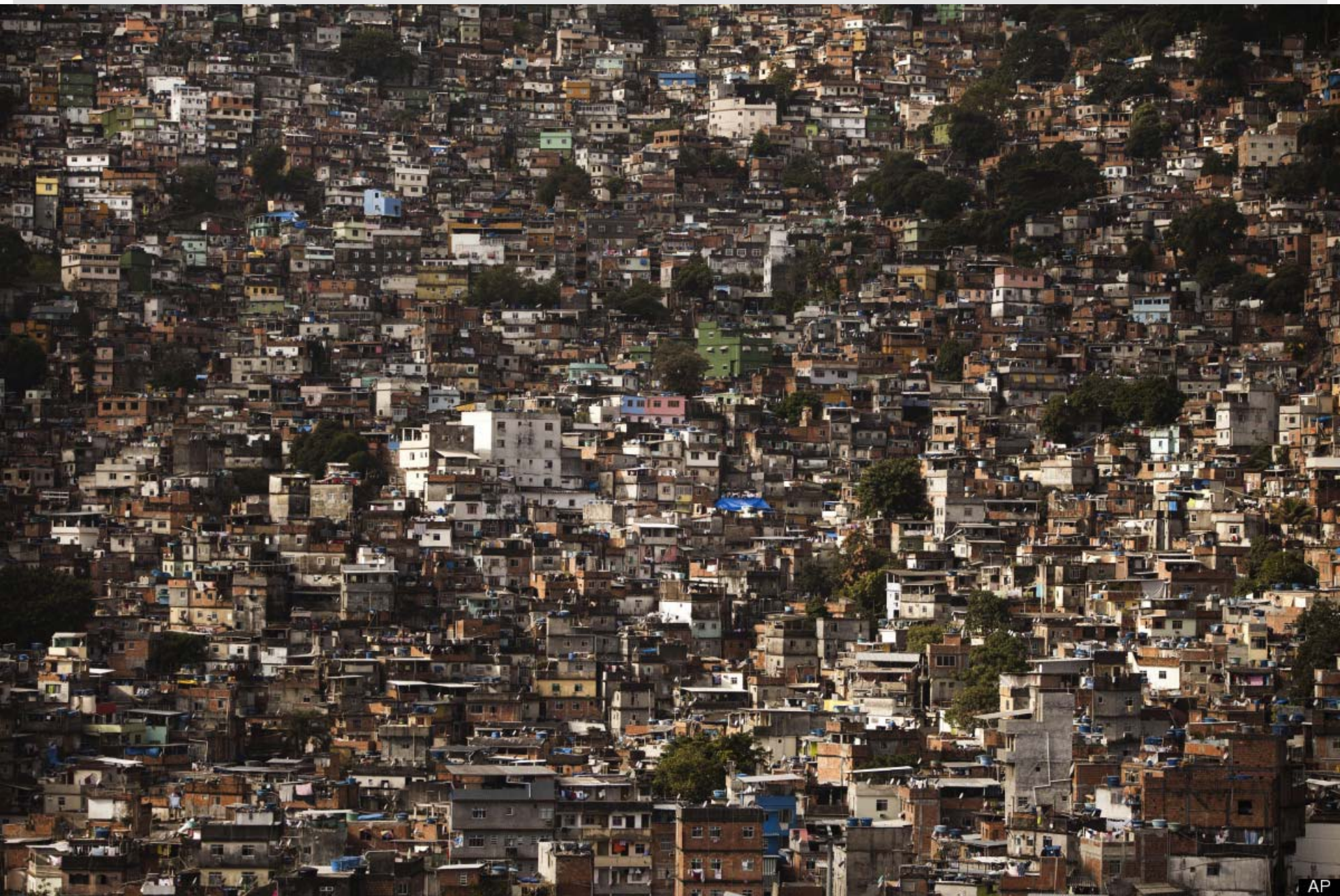
United Nations, Department of Economic and Social Affairs, Population Division (2012). World Urbanization Prospects: The 2011 Revision, CD-ROM Edition.

A NEW AND IMPROVED MODEL OF LATIN AMERICAN CITY STRUCTURE



- | | |
|---|---|
|  Commercial |  Zone of peripheral squatter settlements |
|  Market |  Elite Residential Sector |
|  Industrial |  Gentrification |
|  Zone of Maturity |  Middle-Class Residential Tract |
|  Zone of In Situ Accretion | |







RAPID URBANIZATION

- Relationship to industrialization
- Patterns of urban growth
- Access to housing
- Access to social Services
- Impact on women
- Problems of rapid industrialization

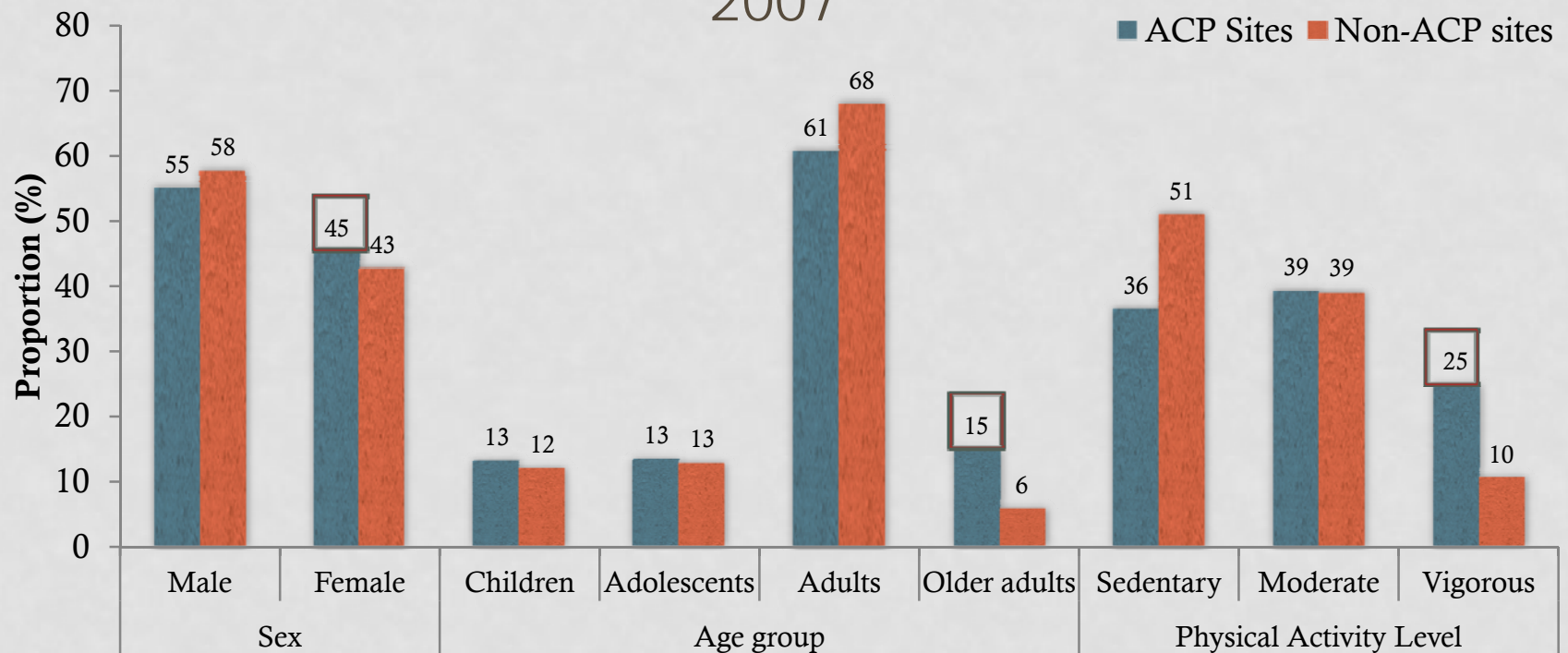
Community based PA programs in three Brazilian State Capitals

Variables	Categories	Participatio (%)	OR ^{adj}	CI 95%
Gender	Men	1.8	-	-
	Women	4.0	3.1	2.14-4.71
Escolaridade	>High school	2.7	-	-
	High school	3.0	1.3	0.90-1.90
	<High school	4.1	1.7	1.16-2.53
Morbidity	No	2.6	-	-
	Yes	4.4	1.7	1.26-2.39
		2.7	4	

Reis RS, Yan Y, Parra DC, Brownson RC. Assessing Participation in Community-Based Physical Activity Programs in Brazil. Med Sci Sports Exerc. 2013. Epub 2013/07/13.

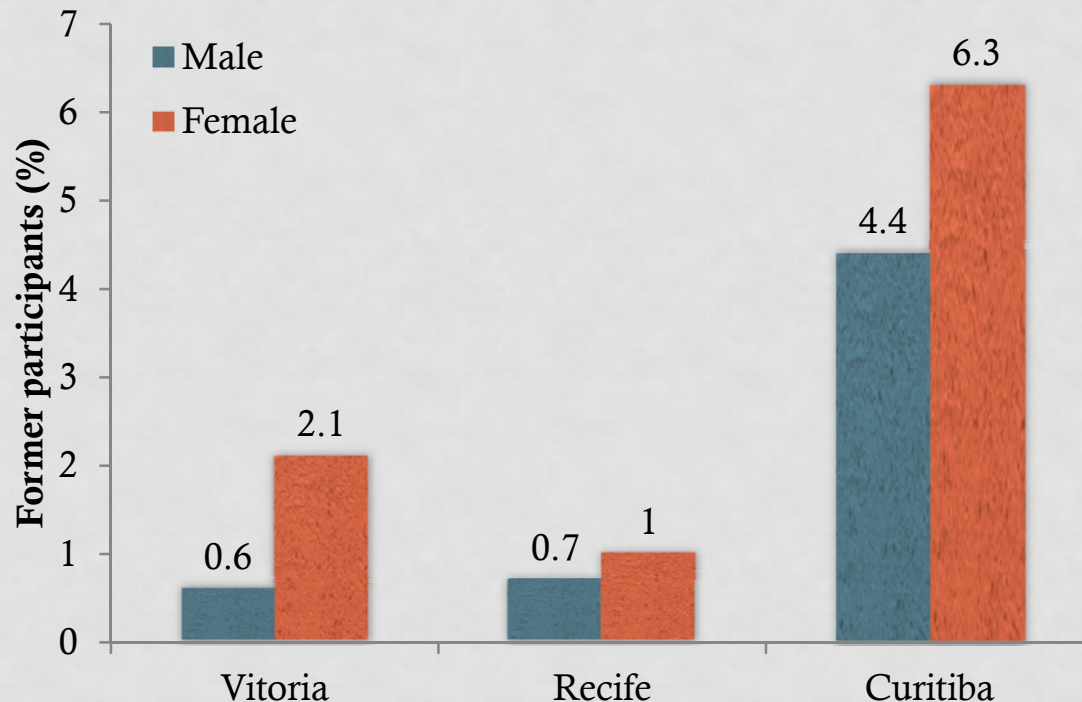
PARK USE AND PA

Park Use Patterns, by Presence or Absence of the Academia da Cidade Program (ACP): Recife, Brazil, 2007



PARK USE & PA

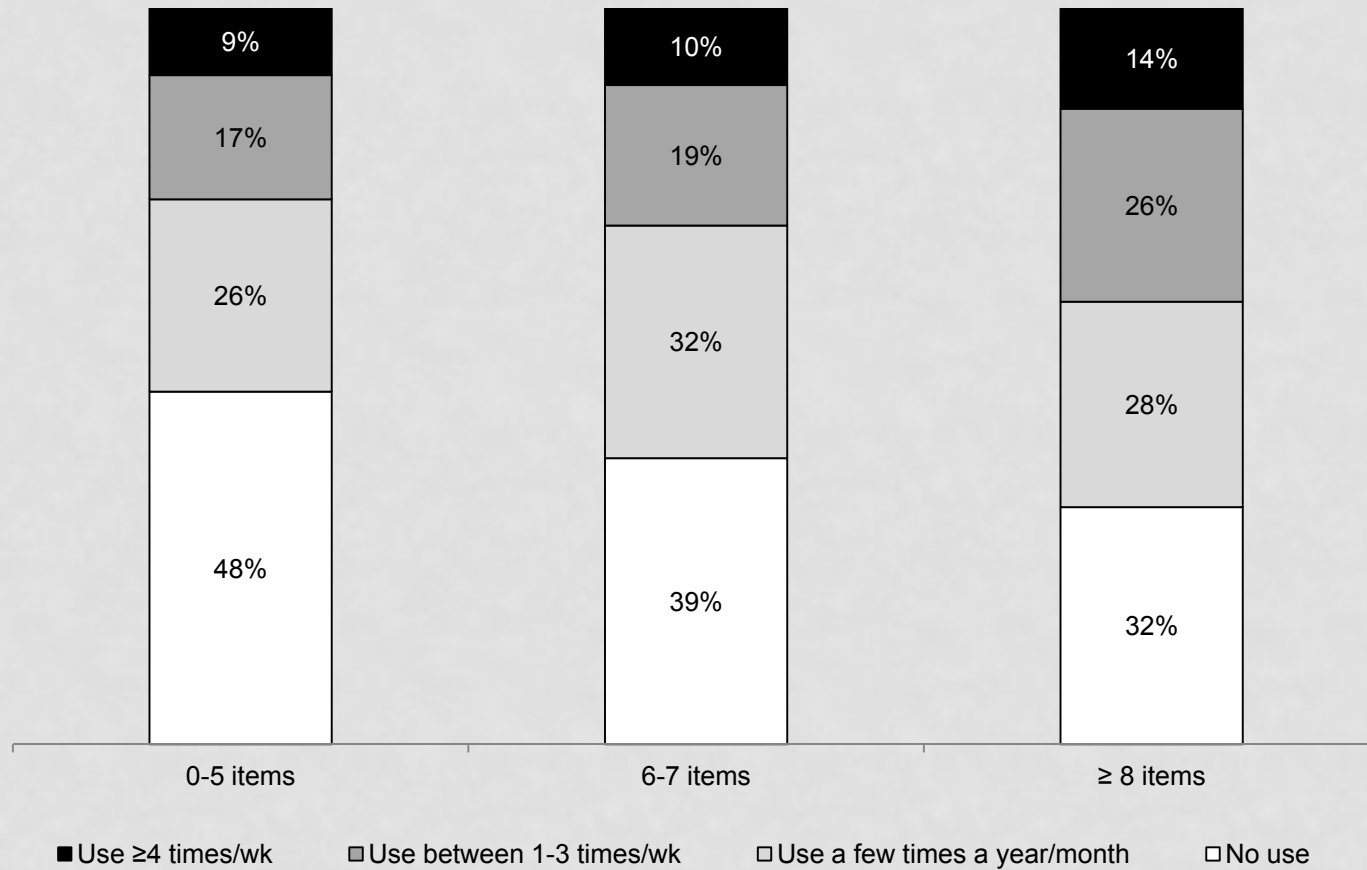
Former participation characteristics in community programs



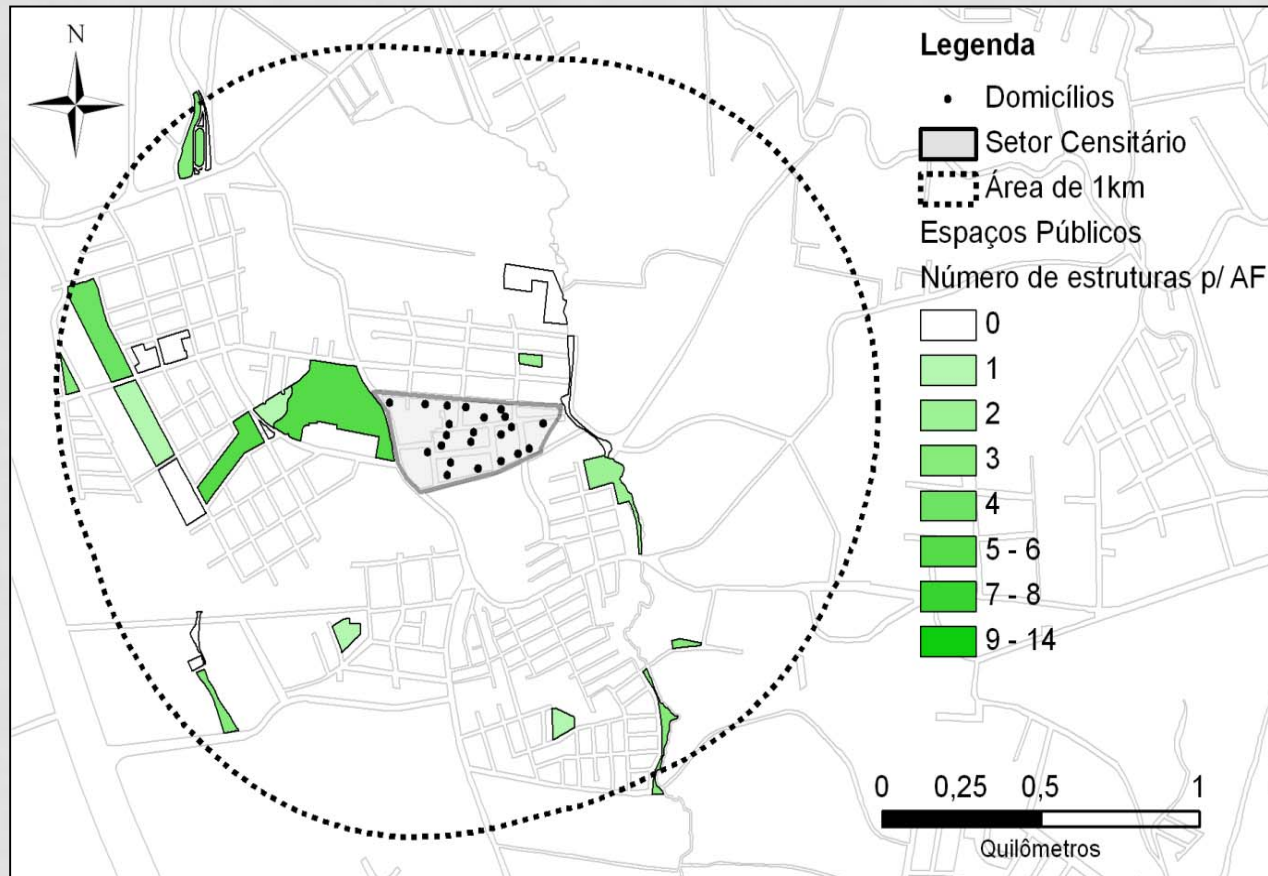
Former participation:

- Women
- Older
- Low educational status

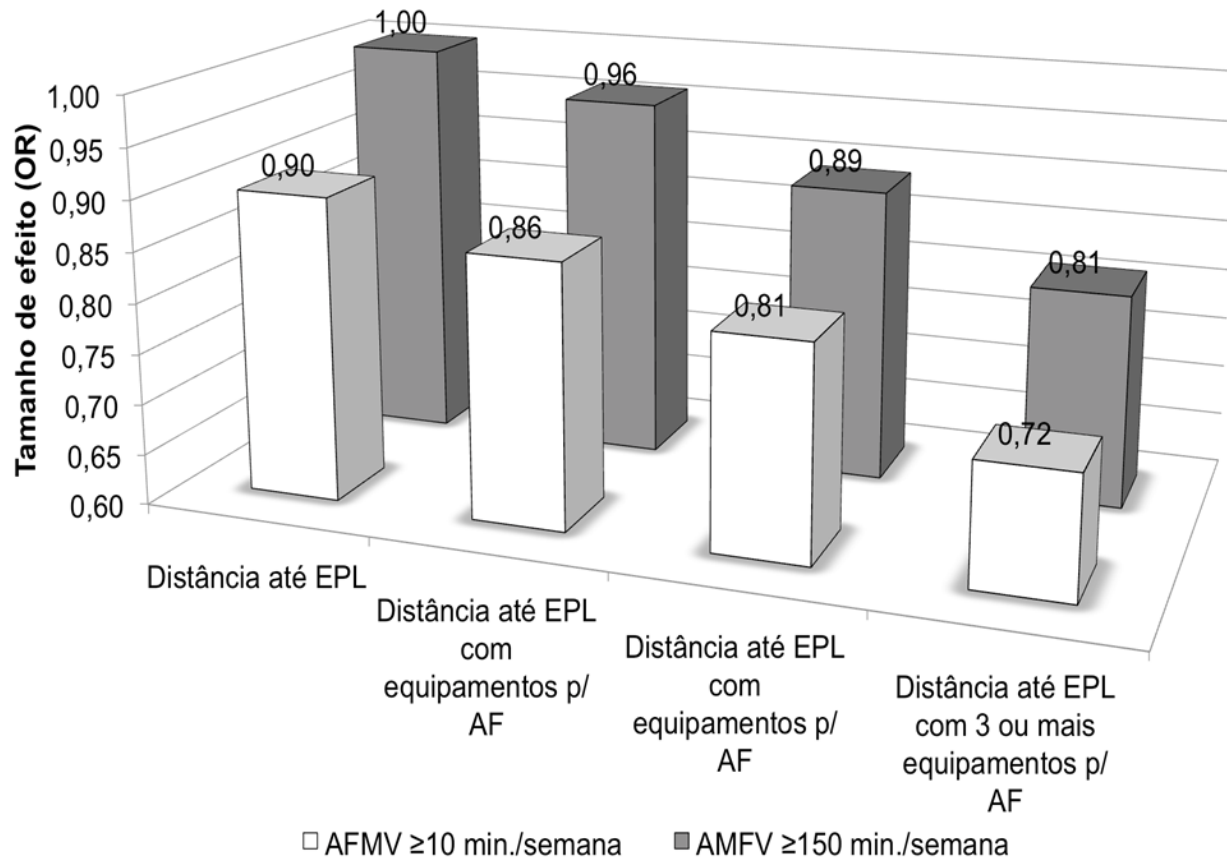
PARK US AND PA



PARKS DISTRIBUTION



PARK ACCESS & PA



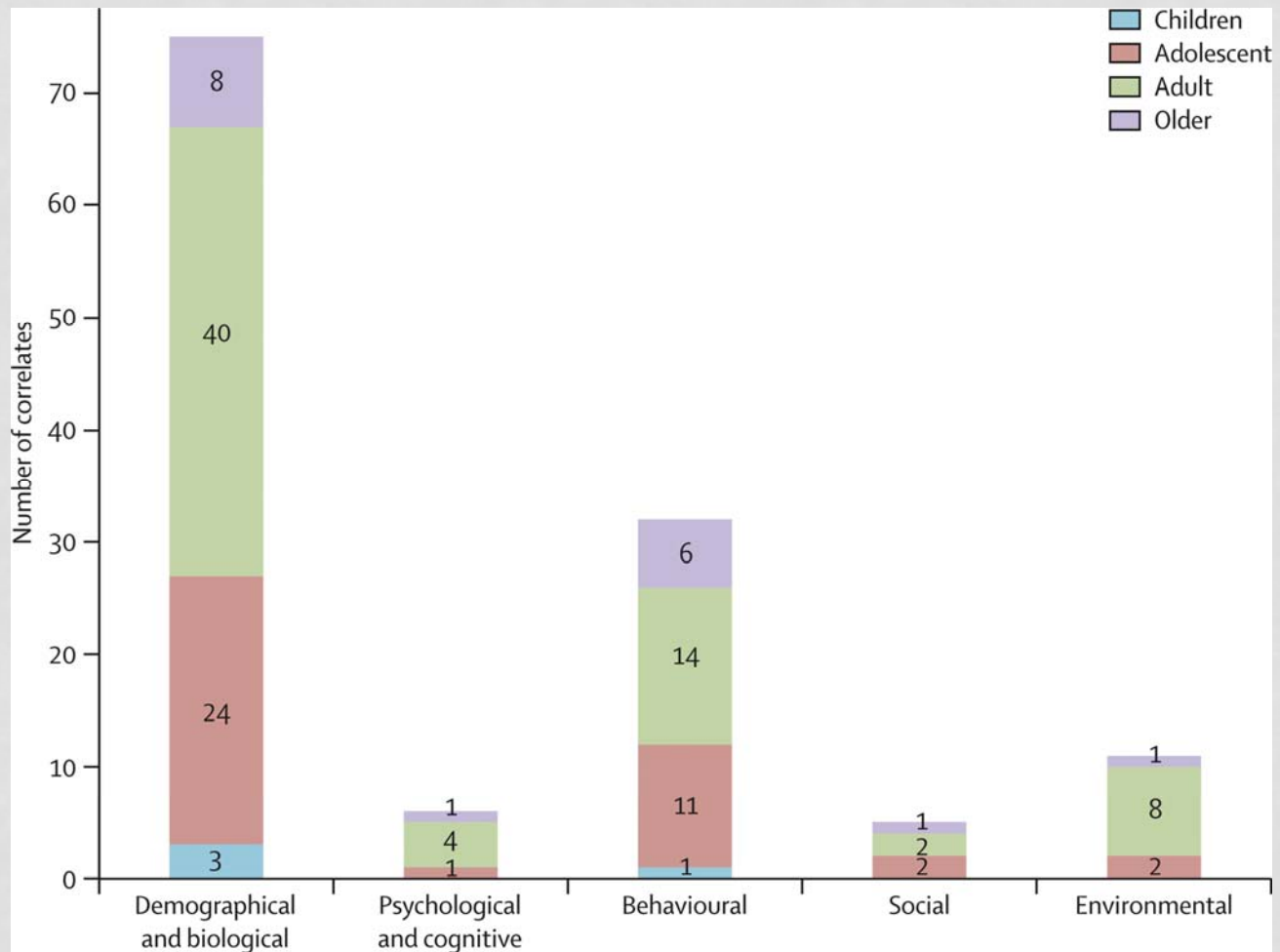
PARK ACCESS & HEALTH EQUITY

Table 3. Multiple linear regressions between park use and QoL domains by socio-economic level (SES) in adults from Curitiba, Brazil (n=1,437).

Categories (SES and Park Use)		Quality of Life Domains			
		Physical	Psychological	Social Relations	Environmental
		β (SD)	β (SD)	β (SD)	β (SD)
Low SES	1-2 days/week	1.73 (0.88)‡	0.80 (0.99)	-0.29 (1.40)	2.02 (1.00)‡
	≥ 3 days/week	5.51 (1.32)‡	1.13 (1.50)	2.89 (2.11)	3.05 (1.51)‡
Medium SES	1-2 days/week	1.88 (0.81)‡	3.08 (0.83)‡	3.22 (1.29)‡	2.87 (0.90)‡
	≥ 3 days/week	2.04 (1.02)‡	1.90 (1.04)*	2.82 (1.63)*	4.33 (1.13)‡
High SES	1-2 days/week	0.07 (1.7)	1.90 (1.59)	2.04 (2.28)	-0.37 (1.91)
	≥ 3 days/week	-1.48 (2.1)	-0.22 (1.96)	-1.21 (2.82)	-2.18 (2.36)

† All models adjusted for sex, age, BMI, marital status; ‡p<0.005; *P<0.010; β (regression coefficients); SD (Standard Deviation)

WHERE IS THE EVIDENCE?



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