

From Gilberto Câmara, Aldaiza Sposati, Dirce Koga, Antonio Miguel Monteiro, Frederico Roman Ramos, Eduardo Camargo, and Suzana Druck Fuks, "Mapping Social Exclusion and Inclusion in Developing Countries: Spatial Patterns of São Paulo in the 1990s". In M.F. Goodchild and D.G. Janelle (editors), *Spatially Integrated Social Science*, © 2004 Oxford University Press. Permission granted by Oxford University Press for inclusion at <http://www.csiss.org/best-practices/siss/11/>.

**Table 11.1: Composition of the Social Exclusion/Inclusion Index**

INDEX	SUBCATEGORY	CENSUS VARIABLES	REFERENCE VALUES
<b>Income Index</b>	POOR FAMILY SURVIVAL CONDITIONS	Family heads below the poverty limit (without income)	0 percent
	INCOME AUTONOMY	Income per family head	3-5 minimum wage
		Job Offer	0,55
	STREET POPULATION	Adult poverty rate	0 percent
		Children at risk rate	0 percent
<b>Quality of Life Index</b>	ENVIRONMENTAL QUALITY	Houses with poor water service	0.5 percent
		Houses with poor sewer service	0.5 percent
		Houses with poor garbage collection	0.3 percent
	SANITATION COMFORT	Habitation density	4 persons/house
		Bathroom/house offer	1 bathroom/house
		Bathroom/person density	3 persons/bathroom
	PRIVACY COMFORT	Bedroom/house	2 bedrooms/house
Bedroom/person density		2 persons/room	
POOR HOUSING	Percentage of population who lives in poor housing	0.5 percent	
TIME TO WORK	Average time spent to work	56 minutes	
SOCIAL SERVICES DEFICIT	Basic health services access potential	40 percent access	
	Crèche access potential	40 percent of children in creches	
	Kindergarten education access potential	100 percent access	
	First level access potential	100 percent access	
<b>Human Develop. Index</b>	POOR LITERACY	Illiterate family heads	0 percent illiteracy rate
	EDUCATIONAL DEVELOPMENT	Years of education of family head	8 years of education
	DEATH RISK	Percentage of population over 70	3 percent
		Children mortality	25 per 1,000 births
		Youth mortality	3.76 per 100,000
Potential of lost life years		43	
VIOLENCE	Larceny cases	0 cases	
	Robbery cases	0 cases	
	Vehicle robbery cases	0 cases	
	Homicide cases	0 cases	
<b>Gender Equality Index</b>		Concentration of women as family heads	2 percent
		Concentration of illiterate women as family heads	0.4 percent

**Table 11.2: Eduaction X Social Exclusion in São Paulo (results from regression models)**

	<b>OLS</b>	<b>Spatial Lag</b>	<b>Spatial Error</b>	<b>Spatial Regimes</b>
<b>R<sup>2</sup></b>	0.75	0.77	0.79	0.86
<b>Likelihood</b>	14.9	20.53	26.68	47.86
<b>MI-error</b>	0.384	-	-	-0.007
<b>LM-error</b>	29.43	12.19	16.58	0.006