**Supplementary material**

**Table S3:** Variable that are used to calculate the indices of Social Vulnerability and Human Development used in the analyses. Adapted from the *Atlas de Vulnerabilidade Social* (IPEA 2021) and the *Atlas de Desenvolvimento Humano* (IPEA, FJP & PNUD 2021).

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| --- | --- |
| **Social Vulnerability Index** | **Human Development Index** |
| **Urban infrastructure** | **Human capital** | **Income and work** | **Longevity** | **Education** | **Income** |
| Percentage of people in households with inadequate water supply and sanitation | Mortality rate up to one year of age | Percentage of people with per capita household income equal to or less than ½ the minimum wage (2010) | Child mortality rate | Percentage of the population aged 18 years of age or older who completed elementary school | Per capita income |
| Percentage of the population living in urban households without a refuse collection service | Percentage of children aged 0 to 5 who do not attend school | Unemployment rate of the population aged 18 and over | Odds of death up to 5, 40 and 60 years of age | Percentage of 5- to 6-year-olds attending school | Proportion of extremely poor |
| Percentage of people living in households with a per capita income of less than half the minimum wage and who spend more than one hour commuting to work in the total number of employed, vulnerable people who return from work daily | Percentage of people aged 6 to 14 who attend school | Percentage of people aged 18 or over who did not complete elementary school and are in informal employment | Life expectancy at birth | Percentage of young people aged 11 to 13 attending the final years of regular elementary school | Proportion of poor |
|  | Percentage of women aged 10 to 17 who have had children | Percentage of people in households with a per capita income of less than half the minimum wage (from 2010) and dependent on the elderly | Total fertility rate | Percentage of 15- to 17-year-olds with complete primary education | Proportion of vulnerable to poverty |
|  | Percentage of mothers who are heads of household, without completing elementary school and with at least one child under 15 years of age, in the total of mothers of families | Activity rate of people aged 10 to 14 | Aging rate | Percentage of 18- to 20-year-olds with high school education | 20% richest / 40% poorest ratio |
|  | Illiteracy rate of the population aged 15 and over |  |  | Expectation of years of study | Activity rate - 10 years or more |
|  | Percentage of children living in households where none of the residents have completed elementary school |  |  | Gross attendance rate to basic | Vacancy rate - 10 years or more |
|  | Percentage of people aged 15 to 24 who do not study, do not work and have a per capita household income equal to or less than half the minimum wage (2010), in the total population of this age group |  |  | Net attendance rate to basic | Degree of formalization of the employed - 18 years or more |
|  |  |  |  |  | Percentage of people employed in the services sector |
|  |  |  |  |  | Percentage of those employed with complete elementary school |
|  |  |  |  |  | Percentage of employed persons aged 18 or over who are self-employed |
|  |  |  |  |  | Average income of the employed |