

Household Budget Survey: POF 2017/2018.

A Usage Guide for the Panel of Indicators

February 2024

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1. Overview

Information about the POF and the interactive dashboard.

What is the Household Budget Survey (POF)?

- The Household Budget Survey (POF) is a household survey conducted by the IBGE, with the objective of investigating the family budgets and living conditions of the Brazilian population.
- The POF is used to update the weighting structures of the Consumer Price Indices.
- It also makes it possible to study the evolution of household consumption habits and enables studies and planning on income distribution, concentration, and inequality, as well as demographic and socioeconomic aspects.
- The POF collects information on household expenditures, income, food consumption, quality of life assessment, and nutritional profile.

How did the Household Budget Survey (POF) come about and evolve?

- 1. The IBGE's Household Budget Survey (POF) began in 1987-1988, based on the National Household Expenditure Study (ENDEF) of 1974-1975.
- 2. The research took place in the metropolitan areas of Belém, Fortaleza, Recife, Salvador, Belo Horizonte, Rio de Janeiro, São Paulo, Curitiba, and Porto Alegre, as well as the Federal District and the Municipality of Goiânia
- 3. The second survey was conducted in 1995-1996, with the same scope as the previous one.
- 4. The survey evolved over time, expanding its geographic scope to the entire national territory in 2002-2003 and again in 2007-2008.
- * The last edition of the POF was conducted between 2017 and 2018, with a sample of about 58 thousand households across the country.

How was the 2017-2018 POF carried out?

- The 2017-2018 POF maintained characteristics of the design applied to the 2008-2009 POF, maintaining its conception according to the master sample concept. A sampling plan called a two-stage cluster was adopted, with geographic and statistical stratification of the primary sampling units.
- The survey lasted 12 months and covered 75,000 households in 1,900 municipalities, being the most detailed survey on the consumption patterns of Brazilians.
- The POF used seven questionnaires to collect information, covering the characteristics of the household and residents, collective and individual purchases, individual work and income, assessment of living conditions, and personal food consumption.
- The POF also performed anthropometric (weight, height, and waist circumference) and blood (hemoglobin and glucose) tests in a subsample of 13,469 households to assess the nutritional status of the population.

What is the Interactive Dashboard?

- The interactive dashboard is an online tool that allows you to explore POF data in a dynamic and personalized way using charts.
- The panel offers several possibilities of analysis, allowing you to select the territory, the age group, the analytical cut, and the topic of interest.
- The dashboard can be accessed through the IMDS website (<https://imdsbrasil.org/>), in the "Indicators" tab and in the "Family Budgets" option.



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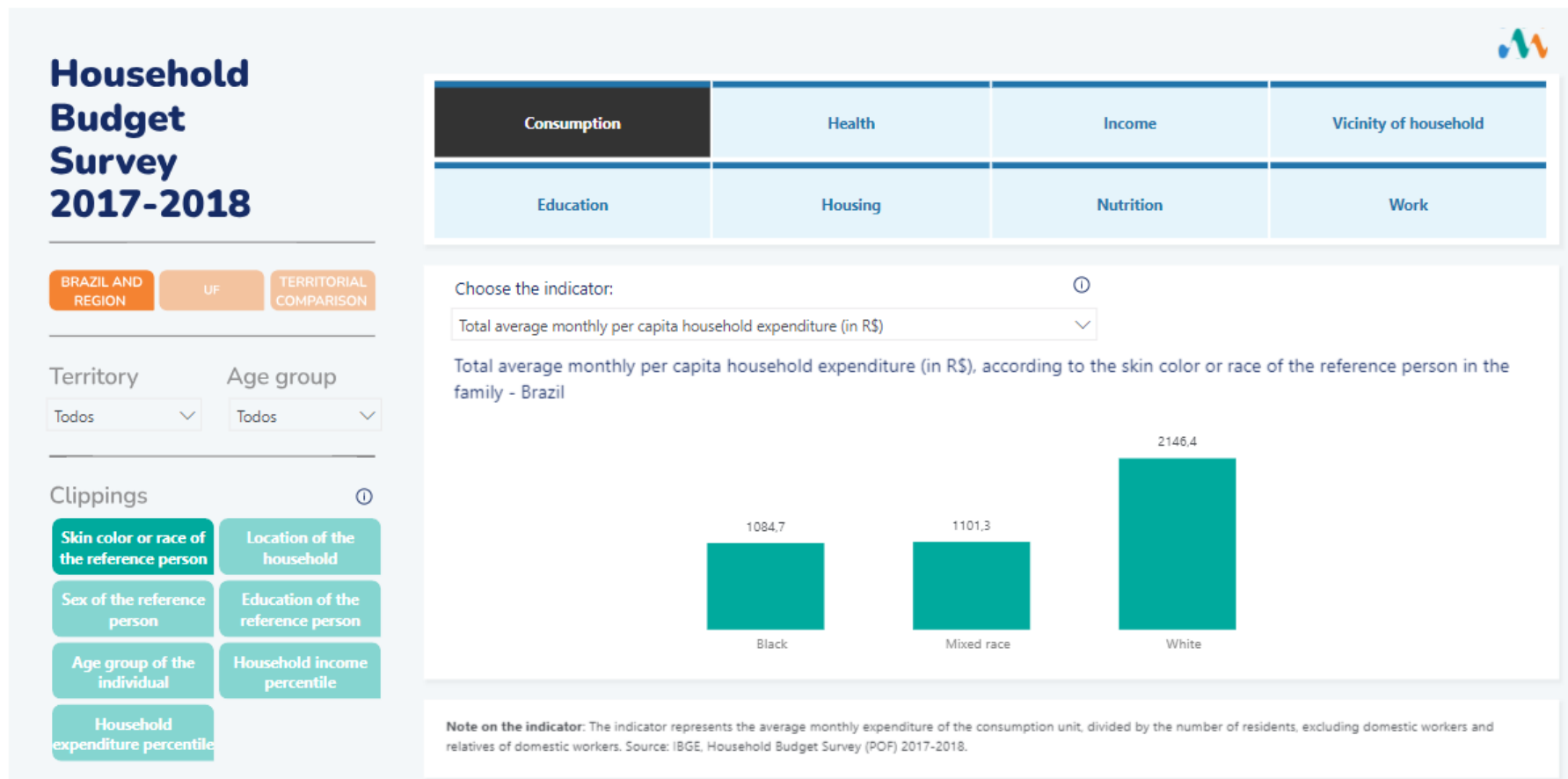
EN IPT

How does the interactive dashboard work?

- The interactive dashboard allows you to visualize POF data in simple and straightforward bar graphs.

The panel allows you to filter the data by territory (Brazil, regions, or Units of the Federation), age group (all ages, children, adolescents, or adults) and cut-off (skin color/race, location of household, sex, education, age group, income percentile and expenditure percentile).
- The panel allows you to select the topic of interest among the main topics addressed by the POF, such as food, education, housing, health, consumption, household environment, income and work.

Interactive Dashboard Overview:

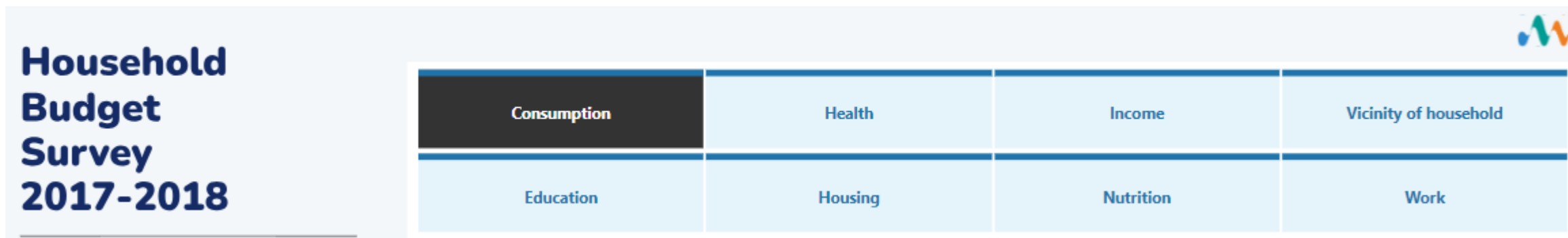


2. Indicators

Presentation of the indicators available on the interactive dashboard

What themes are possible to explore using the dashboard?

- The interactive panel is divided into eight themes that can be accessed through the buttons at the top of the screen:
 - Food
 - Consumption
 - Education
 - Household Environment
 - Housing
 - Income
 - Health
 - Work



Food

1. Average per capita food consumption (in Kcal)
2. Average monthly per capita household expenditure on food (in R\$)
3. Average monthly per capita monetary household expenditure on food (in R\$)
4. Average monthly per capita non-monetary household expenditure on food (in R\$)
5. Percentage of people in households who rate their standard of living with regard to food as "Good" or "Satisfactory" (%)
6. Percentage of people in households who rate their standard of living in relation to food as "Poor" (%)

Education

1. Average monthly per capita monetary household expenditure on education (in R\$)
2. Average monthly per capita household expenditure on school items (in R\$)
3. Average monthly per capita household expenditure on education (in R\$)
4. Average monthly per capita household expenditure on books and materials (in R\$)
5. Average monthly per capita household expenditure with school fees (in R\$)
6. Average monthly per capita non-monetary expenditure on education (in R\$)
7. Percentage of people in households who rate their standard of living in relation to education as "Good" or "Satisfactory" (%)
8. Percentage of people in households who rate their standard of living in relation to education as "Poor" (%)

Housing

1. Percentage of people living in households with exclusive bathrooms (%)
2. Percentage of people living in households with a documented rental agreement (real estate or other sources), among those with a rental agreement (%)
3. Percentage of people living in households with a verbal rental agreement, among those with a rental agreement (%)
4. Percentage of people living in households with inadequate wall material (%)
5. Percentage of people living in households with inadequate roof material (%)
6. Percentage of people living in pig's head households (%)
7. Percentage of people in families who report a problem of little space in the household (%)
8. Percentage of people in households reporting problem with leaky roof (%)

Health

1. Average monthly per capita household expenditure on health (in R\$)
2. Average monthly per capita monetary household expenditure on health (in R\$)
3. Average monthly per capita non-monetary household expenditure on health (in R\$)
4. Percentage of people in households who rate their standard of living in relation to health as "Good" or "Satisfactory" (%)
5. Percentage of people in households who rate their standard of living in relation to health as "Poor" (%)
6. Percentage of people in households who reported health expenses from donations (%)
7. Percentage of people in households who reported restriction in the acquisition of health-related products or services due to: difficulty in reaching the place of purchase (%)
8. Percentage of people in households who reported restriction in the purchase of health-related products or services due to: lack of money (%)
9. Percentage of people in households who reported restriction in the acquisition of health-related products or services due to: unavailability (%)

Consumption

- Despesa média mensal familiar per capita total (em R\$)
- Despesa monetária média mensal familiar per capita total (em R\$)
- Despesa não monetária média mensal familiar per capita total (em R\$)

Housing Area

1. Percentage of people with inadequate frequency of water supply (%)
2. Percentage of people with inadequate frequency in availability of electricity (%)
3. Percentage of people with a postal delivery service (%)
4. Percentage of people with postal delivery service by delivery to an agency, other address or otherwise (%)
5. Percentage of people whose area of residence has problems of violence or vandalism (%)
6. Percentage of people in households who rate the garbage collection service as "Good" or "Satisfactory" (%)
7. Percentage of people in households who rate the garbage collection service as "Poor" (%)
8. Percentage of people living in households with inadequate water supply (%)
9. Percentage of people living in households with inadequate garbage disposal (%)
10. Percentage of people living in households with inadequate sanitation (%)
11. Percentage of people living in households whose streets are paved (%)
12. Percentage of people living in households located in flooded areas (%)
13. Percentage of people living in households located on a slope or in an area subject to landslides (%)
14. Percentage of people living in households located near a polluted river, bay, lake, dike or dam (%)

Income

1. Average monthly per capita household income (in R\$)
2. Average monthly per capita household income (in R\$)
3. Average monthly non-monetary per capita household income (in R\$)

Labor

1. Percentage of people who habitually commute one or two hours to work
2. Percentage of people who habitually commute to their main job one hour or less
3. Percentage of people who habitually commute more than two hours
4. Average per capita monthly household income from work (in R\$)

3. Dashboard Features

Information about the use of the interactive panel

Analysis Themes

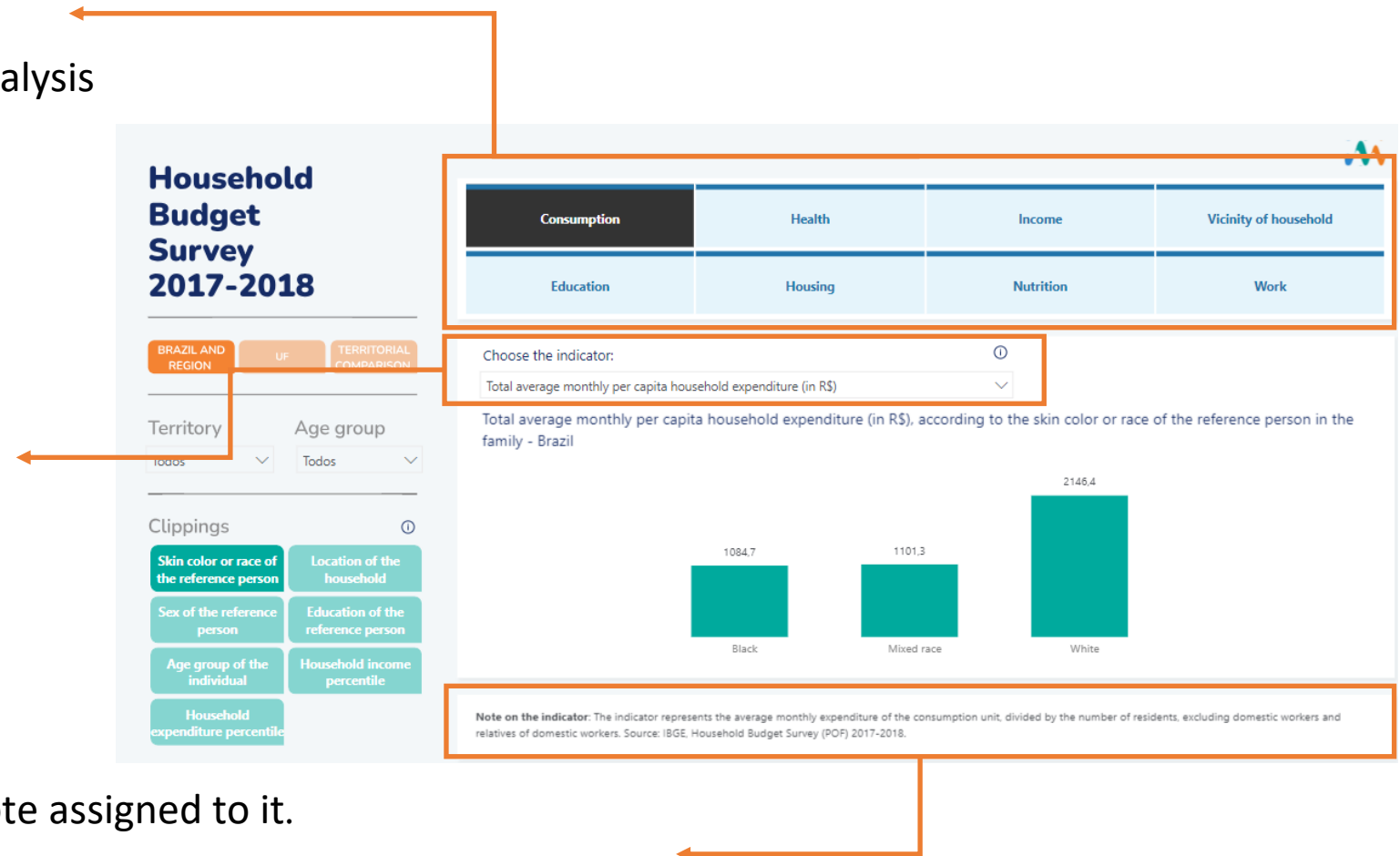
- Select one of the eight available analysis themes.

Choose the Indicator

- Within each theme one can choose a series of related indicators.

Note on the indicator

- Each indicator is presented with a note assigned to it.
- A nota é responsável por informar o conceito do indicador.



The screenshot displays the 'Household Budget Survey 2017-2018' interface. It features a navigation menu with eight themes: Consumption, Health, Income, Vicinity of household, Education, Housing, Nutrition, and Work. The 'Consumption' theme is selected. Below the menu, there are filters for 'Territory' (set to 'Todos') and 'Age group' (set to 'Todos'). A 'Clippings' section offers various indicators, with 'Skin color or race of the reference person' highlighted. The main content area shows the selected indicator: 'Total average monthly per capita household expenditure (in R\$)'. A bar chart displays the expenditure for three racial categories: Black (1084.7), Mixed race (1101.3), and White (2146.4). A note at the bottom explains the indicator's definition and source.

Theme	Health	Income	Vicinity of household	
Consumption	Education	Housing	Nutrition	Work

Choose the indicator:
Total average monthly per capita household expenditure (in R\$)

Total average monthly per capita household expenditure (in R\$), according to the skin color or race of the reference person in the family - Brazil

Race	Expenditure (in R\$)
Black	1084.7
Mixed race	1101.3
White	2146.4

Note on the indicator: The indicator represents the average monthly expenditure of the consumption unit, divided by the number of residents, excluding domestic workers and relatives of domestic workers. Source: IBGE, Household Budget Survey (POF) 2017-2018.

Regional Analysis Options

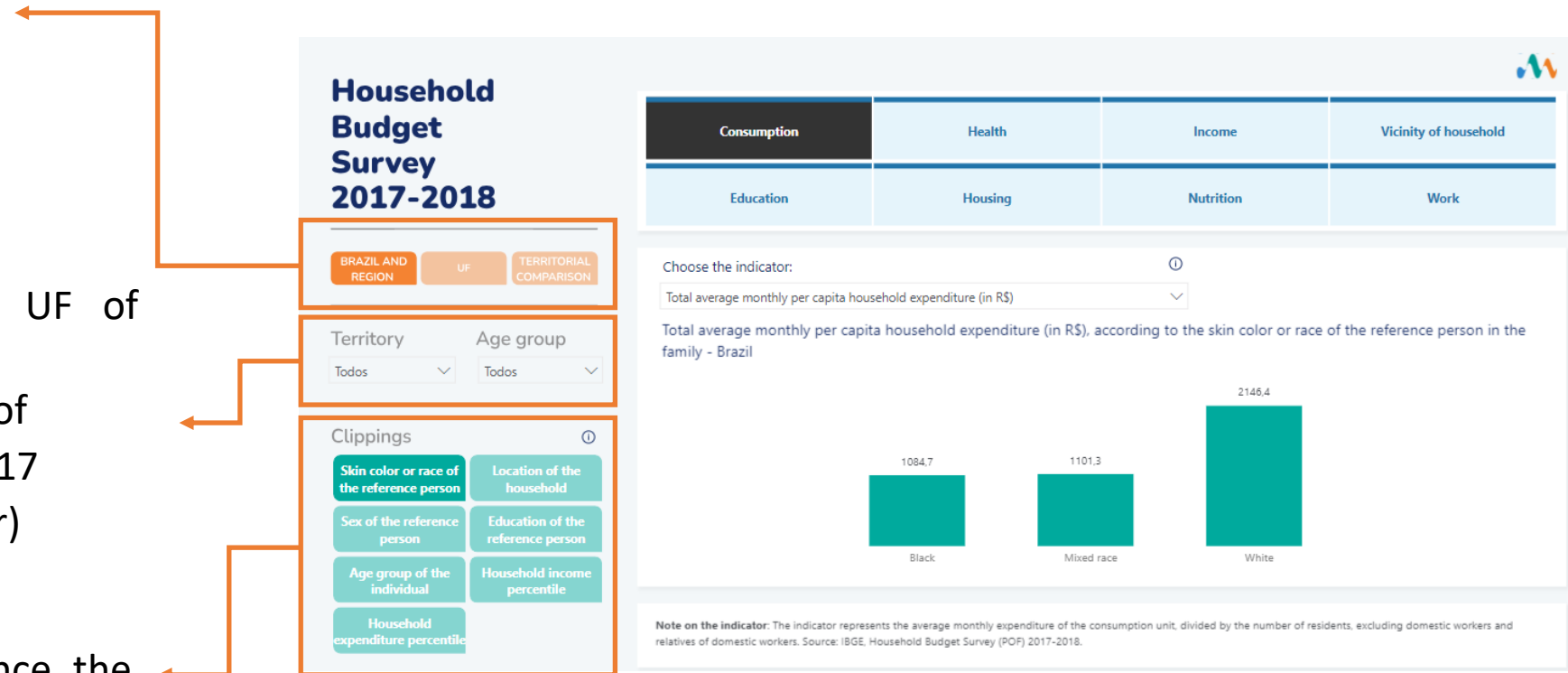
- Brazil and Region
- UF
- Territorial Comparison

Analysis Options

- Territory: Selects region or UF of interest
1. Age Range: Selects age group of interest (All; 0-9 years old; 10-17 years old; 18 years old or older)

Clippings

- It is possible to cross-reference the analyses with the seven available clipping options.



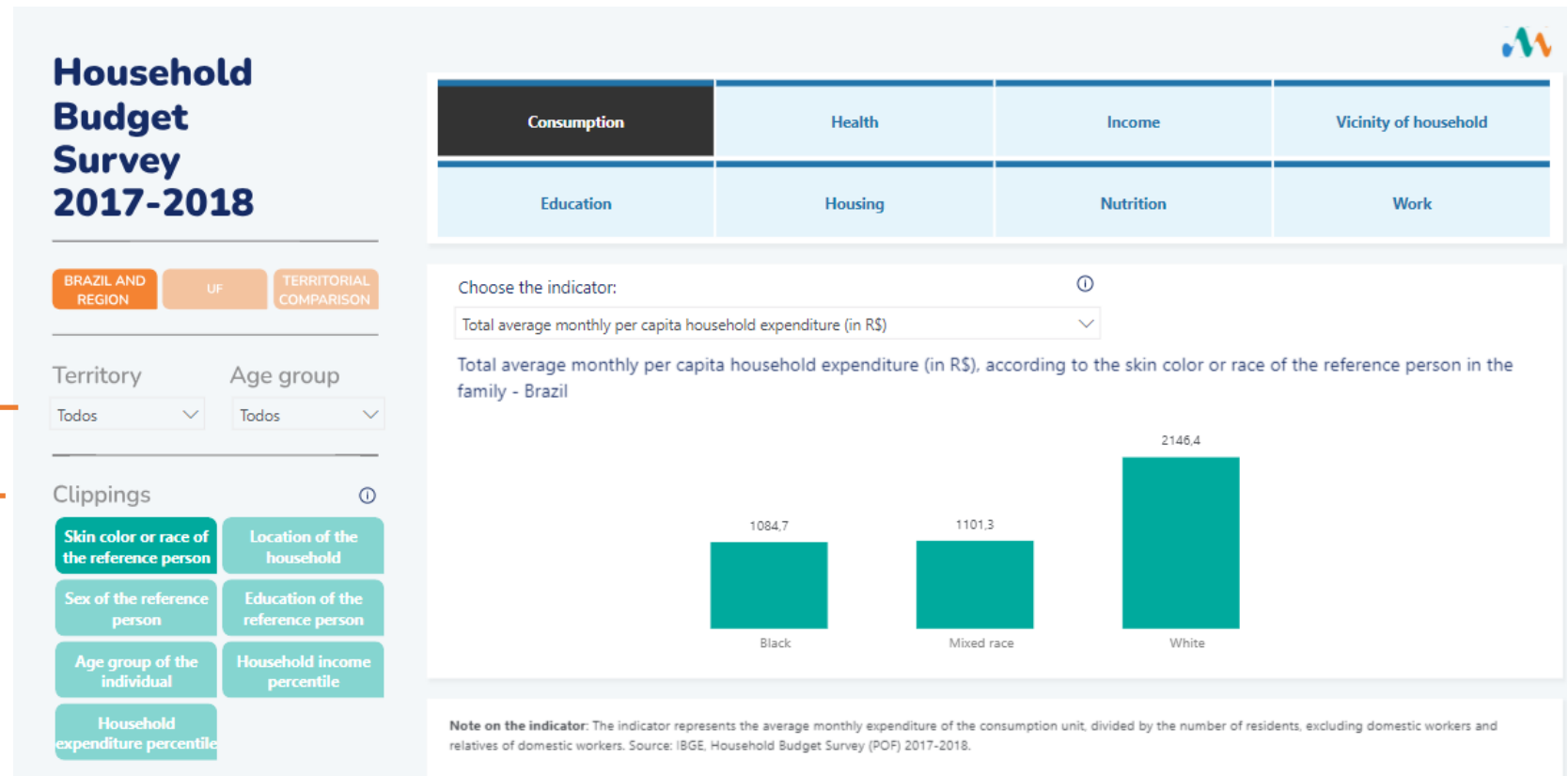
4. Examples of Use

Information about examples of questions that the panel can answer

What is the average monthly per capita household expenditure in consumption by skin color/race?

- To calculate the indicators, we considered only the households that had information in the indicator category. So, for example, when we talk about per capita expenditure, we are only talking about households that had some expenditure in this category.

- You can see how the expense by skin color/race varies in different regions in Brazil by selecting "Territory".
- One can also see how the expense by skin color/race varies by age group.
- The analysis can be carried out for each of the seven available clippings.

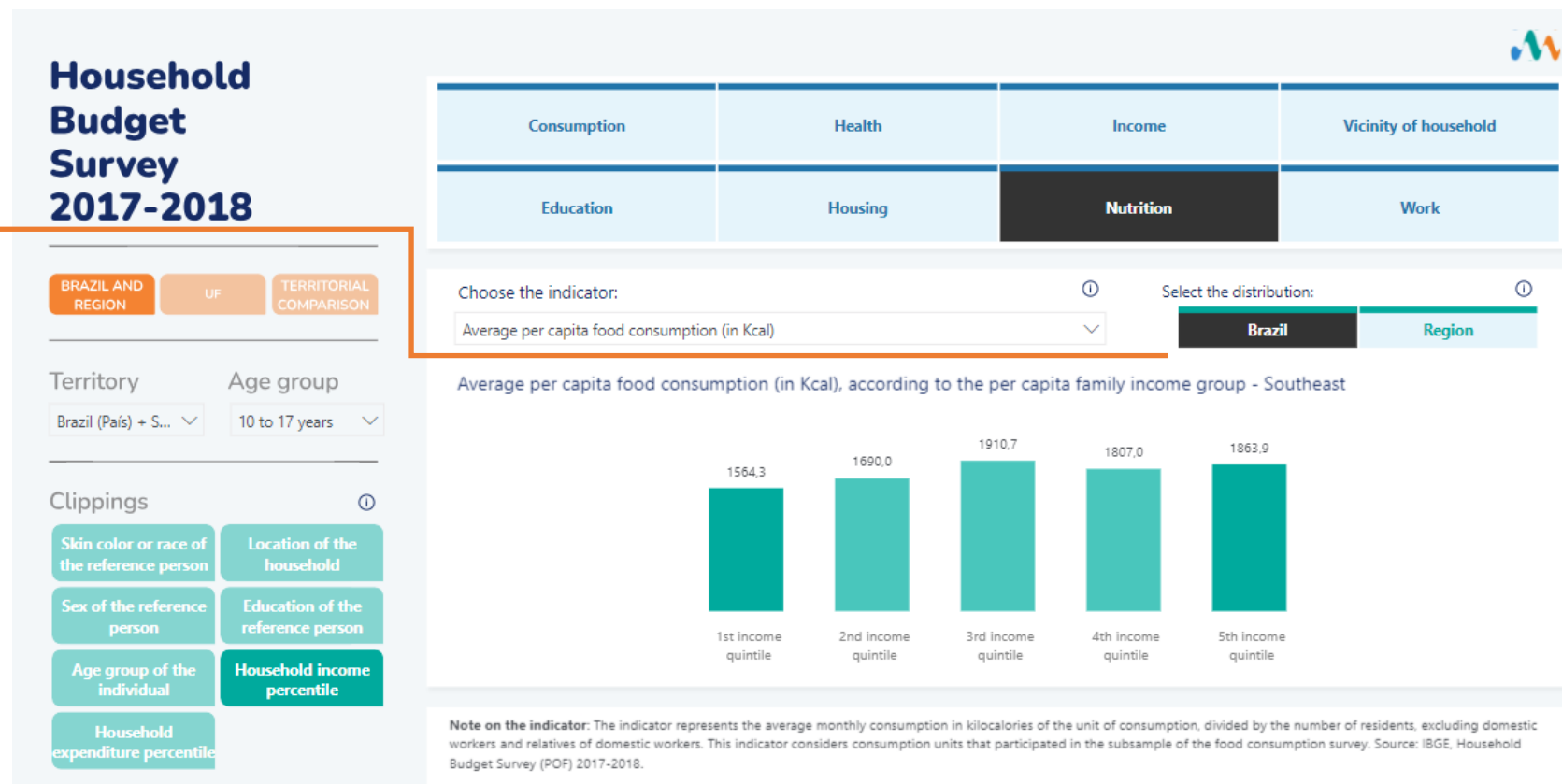


How does the average food consumption of young people aged 10 to 17 in the Southeast vary according to the percentile of household income?

➤ By selecting one of the percentile analysis cuts, it is possible to choose the use of the distribution: for the whole of "Brazil" or by "Region".

➤ For example, the 1st income quintile with the distribution selection "Brazil" selects the 20% with the lowest income in Brazil.

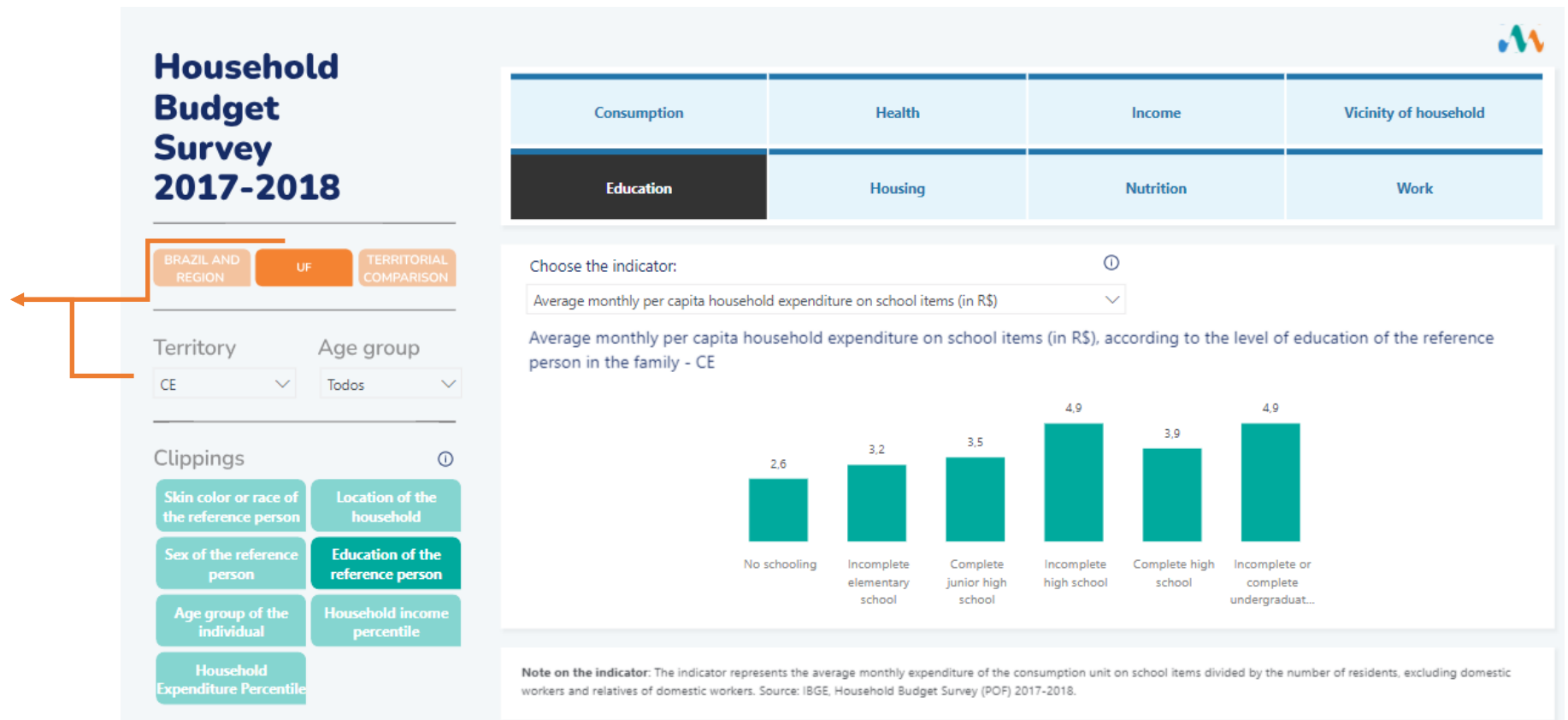
1. In the case of distribution selection by "Region", the 1st income quintile would select the 20% with the lowest income in each major region of the country.



What is the average monthly per capita family expenditure on school fees in Ceará, according to the schooling of the family's reference person?

➤ By selecting the "UF" button, it is possible to select one of the 27 Units of the Federation.

1. In the example, Ceará (CE) was chosen.



Household Budget Survey 2017-2018

BRAZIL AND REGION | **UF** | TERRITORIAL COMPARISON

Territory: CE | Age group: Todos

Clippings

- Skin color or race of the reference person
- Location of the household
- Sex of the reference person
- Education of the reference person**
- Age group of the individual
- Household income percentile
- Household Expenditure Percentile

Consumption	Health	Income	Vicinity of household
Education	Housing	Nutrition	Work

Choose the indicator: Average monthly per capita household expenditure on school items (in R\$)

Average monthly per capita household expenditure on school items (in R\$), according to the level of education of the reference person in the family - CE

Education Level	Expenditure (R\$)
No schooling	2,6
Incomplete elementary school	3,2
Complete junior high school	3,5
Incomplete high school	4,9
Complete high school	3,9
Incomplete or complete undergraduat...	4,9

Note on the indicator: The indicator represents the average monthly expenditure of the consumption unit on school items divided by the number of residents, excluding domestic workers and relatives of domestic workers. Source: IBGE, Household Budget Survey (POF) 2017-2018.

What is the average monthly per capita family non-monetary income with health, according to the Units of the Federation in Brazil?

➤ By selecting a "Territorial Comparison" it is possible to choose between comparing regions or Units of the Federation.

Household Budget Survey 2017-2018

BRAZIL AND REGION
UF
TERRITORIAL COMPARISON

Territory: Todos

Age group: Todos



?

Consumption	Health	Income	Vicinity of household
Education	Housing	Nutrition	Work

Choose the indicator: ?

Average monthly non-monetary per capita household income (in R\$) v

Brazil
262,3

Average monthly non-monetary per capita household income (in R\$) by UF - Brazil



MA	TO	AL	PB	RR	CE	PA	AM	PI	AP	PE	RO	AC	BA	RN	ES	GO	SE	PR	MT	MG	RJ	SC	MS	RS	SP	FD
130,6	136,0	136,3	145,2	148,5	151,4	156,7	158,8	176,9	179,8	183,2	184,6	203,1	207,2	209,1	229,8	252,2	256,8	257,1	259,8	268,7	282,2	318,0	345,9	347,3	362,1	375,1

Note on the indicator: The indicator represents the average monthly non-monetary income of the consumption unit, divided by the number of residents, excluding domestic workers and relatives of domestic workers. Source: IBGE, Household Budget Survey (POF) 2017-2018.

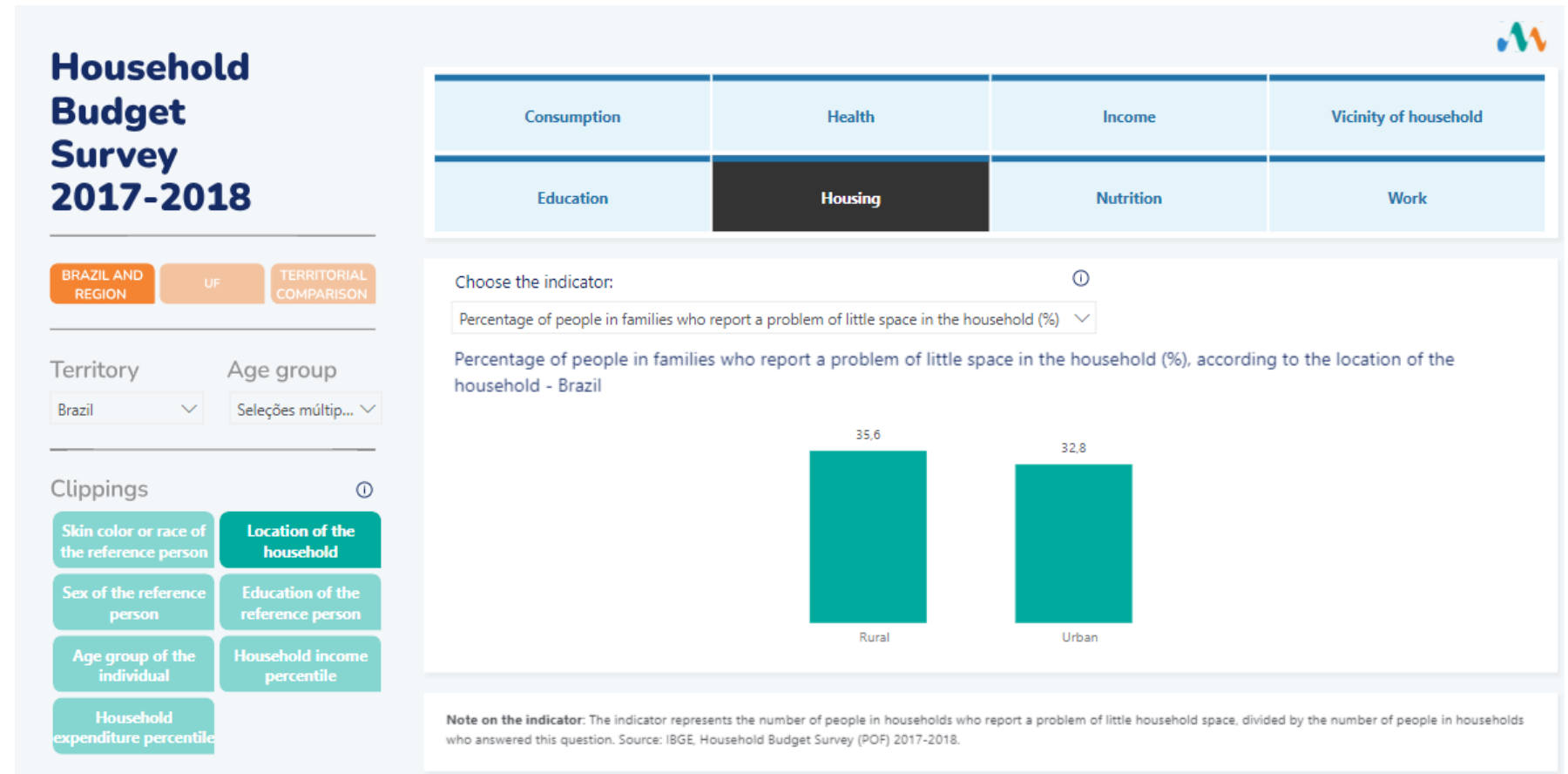
What is the average monthly per capita family expenditure on health, according to the major regions of Brazil?

➤ For comparison, the box at the top of the visualization shows the value of the indicator for Brazil.



How does the percentage of people in rural households who report little space in their households compare to that of urban households?

- The 'Housing' tab presents several indicators that contribute to the characterization of the housing conditions of Brazilians.



Are there significant differences in the percentage of people living in households with paved streets in urban and rural areas?

- Several indicators that help define the characterization of the surroundings of the households are listed in the 'Household environment' tab.

Household Budget Survey 2017-2018

BRAZIL AND REGION UF TERRITORIAL COMPARISON

Territory: Brazil Age group: Seleções múltip...

Clippings

- Skin color or race of the reference person
- Sex of the reference person
- Age group of the individual
- Household expenditure percentile
- Location of the household
- Education of the reference person
- Household income percentile

Consumption	Health	Income	Vicinity of household
Education	Housing	Nutrition	Work

Choose the indicator:

Percentage of people living in households whose streets are paved (%), according to the location of the household - Brazil



Location	Percentage (%)
Rural	15,9
Urban	85,1

Note on the indicator: The indicator represents the number of people living in households whose street is paved, divided by the number of people in families who answered this question. Source: IBGE, Household Budget Survey (POF) 2017-2018.

What are the states with the highest percentage of people who have a usual commute time to work greater than two hours?

- Indicators on work income and commuting time are listed in the "Work" tab.

