

# Information production to support coping the COVID-19 in Brazil

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# COVID-19 pandemic and environment statistics

FRAMEWORK FOR THE DEVELOPMENT OF ENVIRONMENT STATISTICS (FDES 2013)



**Environmental Health**



United Nations

Investing in **data** is  
key to rebuilding



<https://covid19.ibge.gov.br/>



**Table 3.5.2.1**  
**Statistics and related information for Topic 5.2.1**

Component 5: Human Settlements and Environmental Health

Subcomponent 5.2: Environmental Health

Topic 5.2.1: Airborne diseases and conditions

Statistics and related information

<b>(Bold text—Core Set/Tier 1; regular text—Tier 2; italicized text—Tier 3)</b>	Category of measurement	Potential aggregations and scales	Methodological guidance
a. Airborne diseases and conditions		<ul style="list-style-type: none"> <li>• By disease or condition</li> </ul>	WHO
1. Incidence	Number	<ul style="list-style-type: none"> <li>• National</li> <li>• Subnational</li> </ul>	
2. Prevalence	Number	<ul style="list-style-type: none"> <li>• Urban</li> <li>• Rural</li> </ul>	
3. Mortality	Number	<ul style="list-style-type: none"> <li>• By gender</li> <li>• By age group</li> </ul>	
4. <i>Loss of work days</i>	Number	<ul style="list-style-type: none"> <li>• By time period</li> </ul>	
5. <i>Estimates of economic cost in monetary terms</i>	Currency		

# Enterprise Pulse Survey

It aims to **estimate** the **impacts** of the COVID-19 pandemic on the **Brazilian economy**, with non-financial companies.

## Enterprise Pulse Survey:

Impact of Covid-19 on the Enterprises

### Survey sample

Nearly two thousand enterprises

### Enterprise size

- Up to 49 employed persons
- Between 50 and 499 employed persons
- With 500 or more employed persons

### Economic activity



Industry



Trade



Construction



Services



Geographical coverage

Brazil and Major Regions



Data collection method

CATI – Computer-assisted telephone interviewing



Frequency

Fortnightly



Interview duration

8 to 10 minutes



Experimental Statistics



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NOTÍCIAS

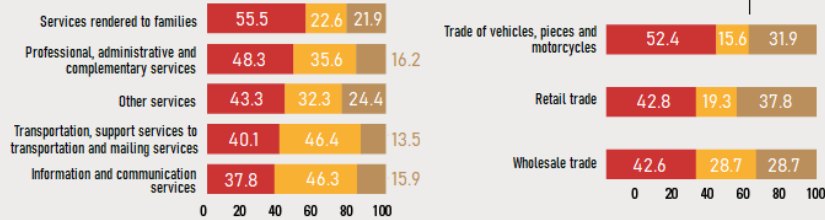
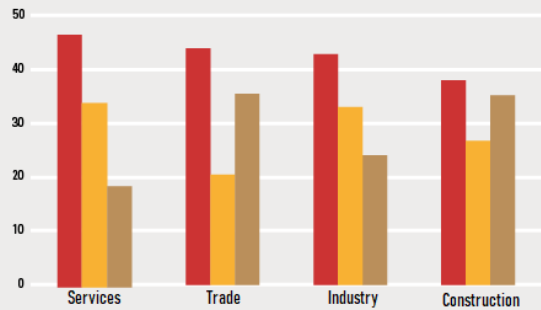
# Enterprise Pulse Survey

## Perception of the impact suffered by enterprises due to covid-19 (%) | Brazil - 1st half of July 2020

Total of enterprises



By activities



Source: Enterprise Pulse Survey - Covid-19 effects on enterprises

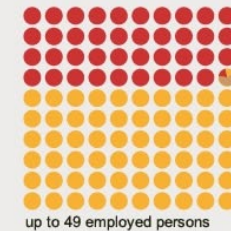
Experimental Statistics

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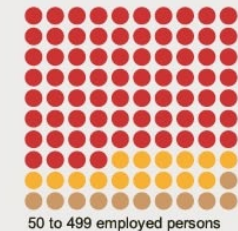
## Companies that ended their activities due to Covid-19 (%) | Brazil - 1st fifteen days of June 2020

A total 39.4% of the companies that ended their activities closed due to the Covid-19 pandemic. That was the reason for closure in 35.1% of the companies closed in the Industry sector, 37% of those in the Construction sector, 40.9% of the companies in the Trade sector and of 39.4% of the companies in the Services sector.

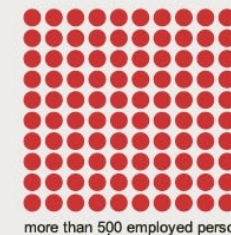
By employed persons



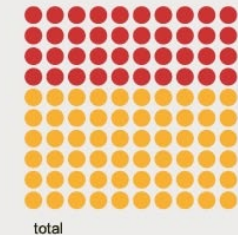
up to 49 employed persons



50 to 499 employed persons

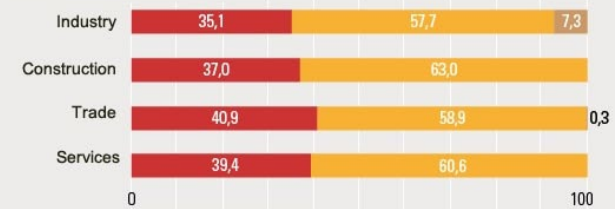


more than 500 employed persons



total

By economic activities



Closed due to the pandemic

Closed due to other reasons

Not informed

Fonte: Pesquisa Pulso Empresa - Impacto da COVID-19 nas Empresas

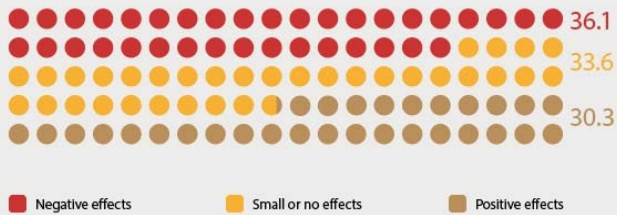
Estatísticas Experimentais

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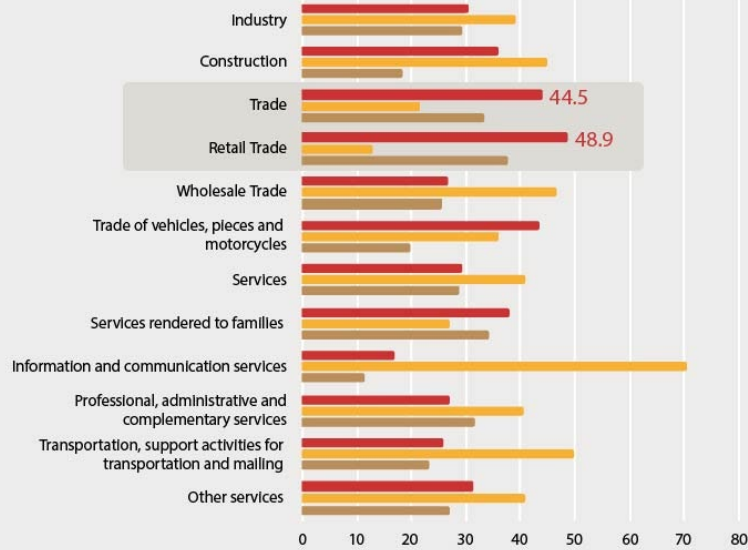
# Enterprise Pulse Survey

Perceived effects of the Covid-19 pandemic on sales of products or services (%) | Brazil - 1st half of August 2020

Total enterprises



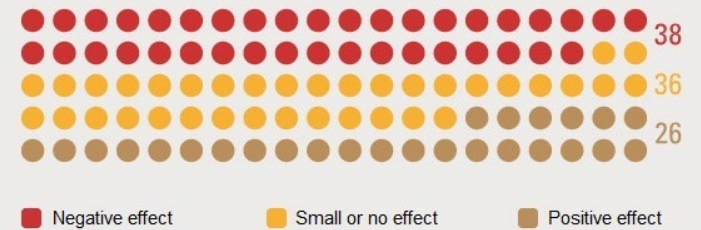
By activity



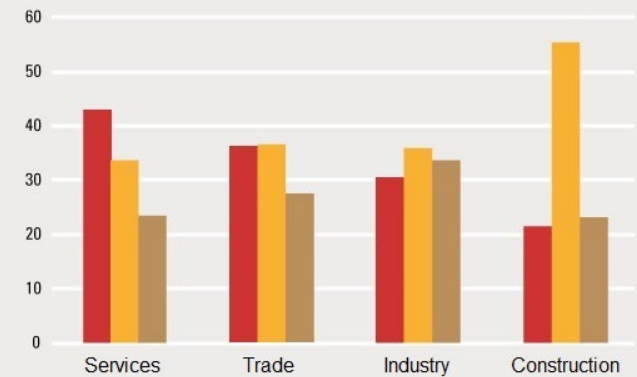
Fonte: Pesquisa Pulso Empresa - Impacto da Covid-19 nas Empresas | Estatísticas Experimentais

## Effects of Covid 19 perceived by companies Brazil - 2nd half of July

Total of enterprises



By activity



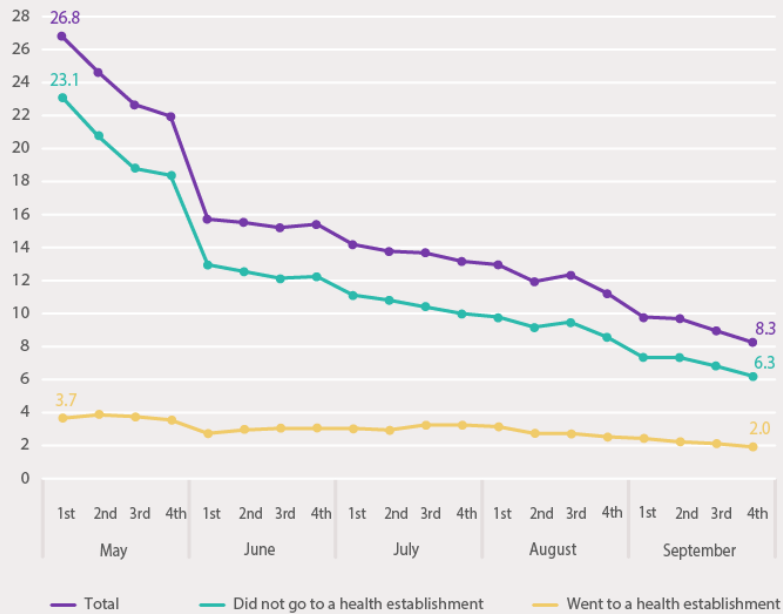
Source: Enterprise Pulse Survey - Impact of Covid 19 on Enterprises | Experimental Statistics



# “PNAD” COVID19 [National Household Sample Survey]

It aims to estimate the **number** of **people** with **symptoms** associated with grippe syndrome and monitor the **impacts** of the COVID-19 pandemic **on** the Brazilian **labor market**

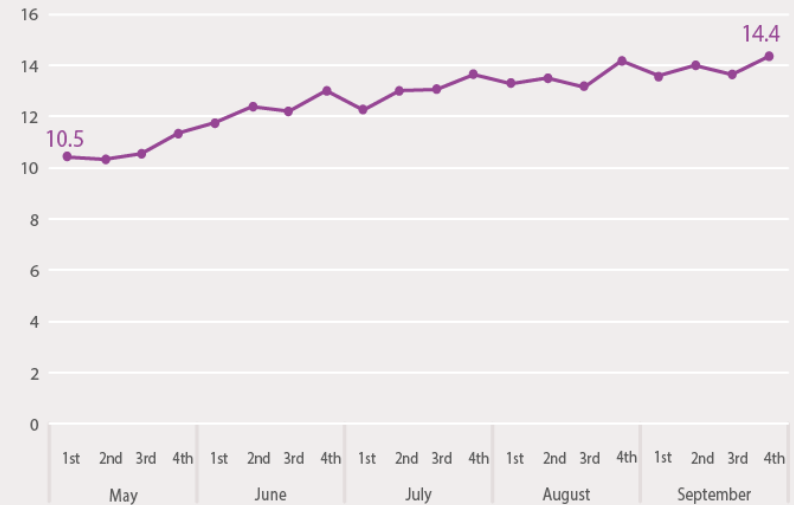
Persons who had symptoms of flu-like syndrome (million)  
Brazil - 4th week of September



Source: PNAD COVID19 Experimental Statistics



Unemployment rate (%)  
Brazil - 4th week of September



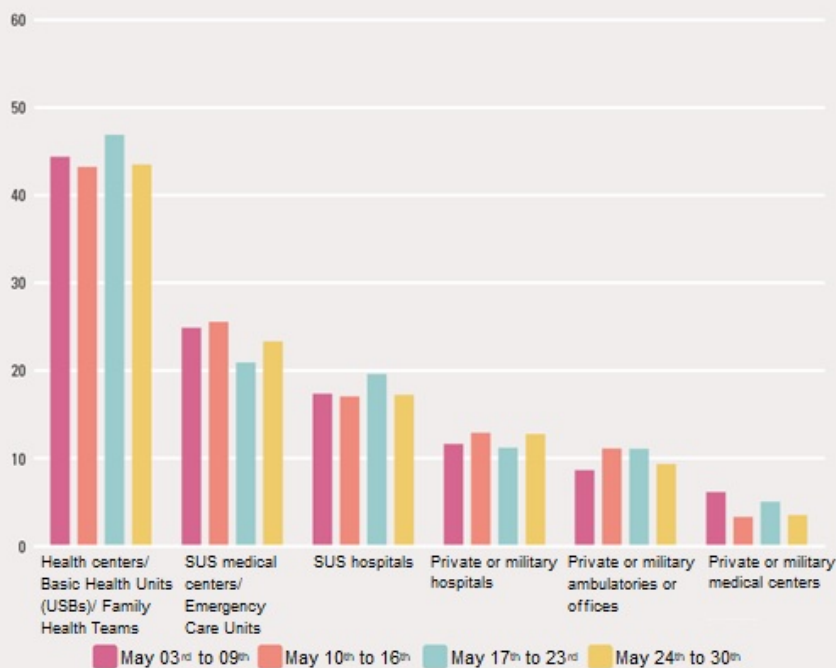
Source: PNAD COVID19 Experimental Statistics



# “PNAD” COVID19

## [National Household Sample Survey]

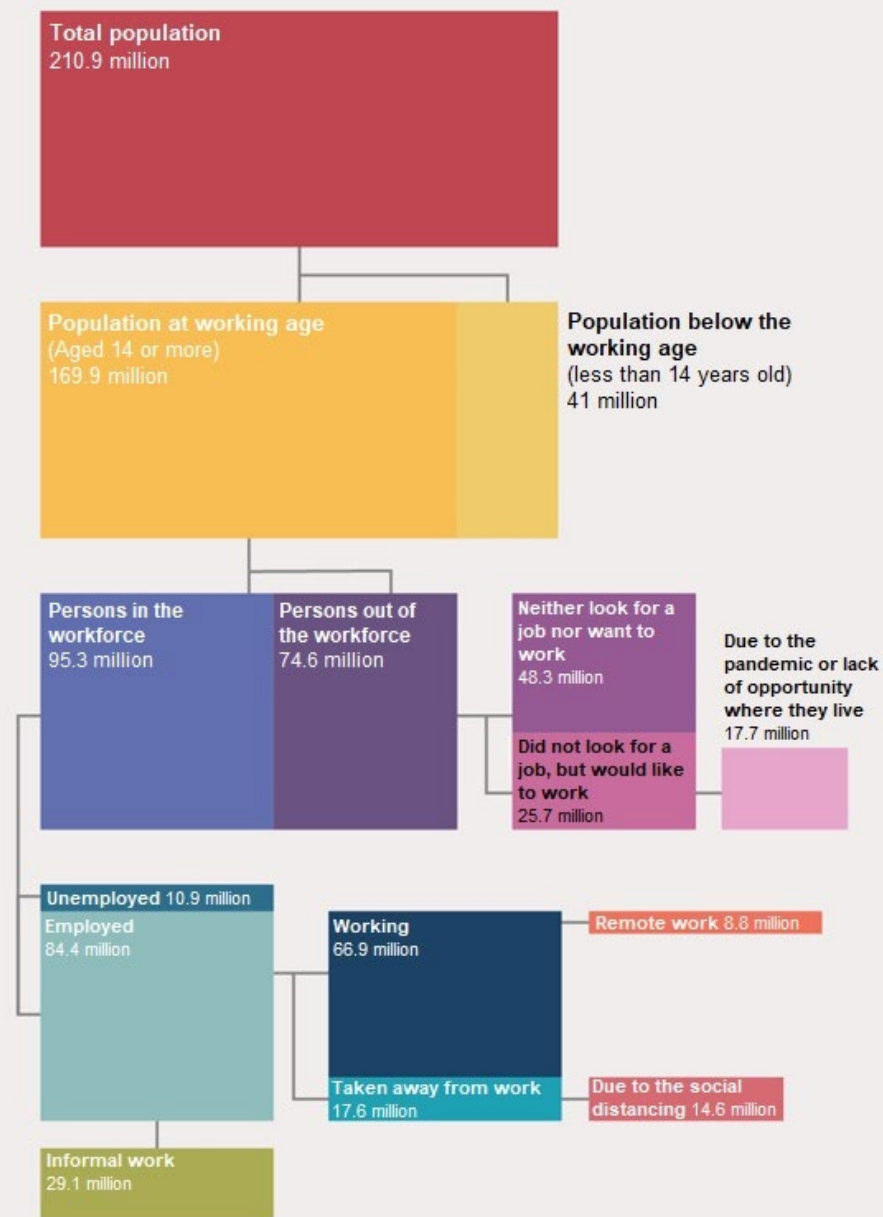
**Persons with flu symptoms who sought health care (%)**  
By establishment type



Source: PNAD COVID19



**Labor Market situation in the Covid-19 pandemic**  
In the last week of May

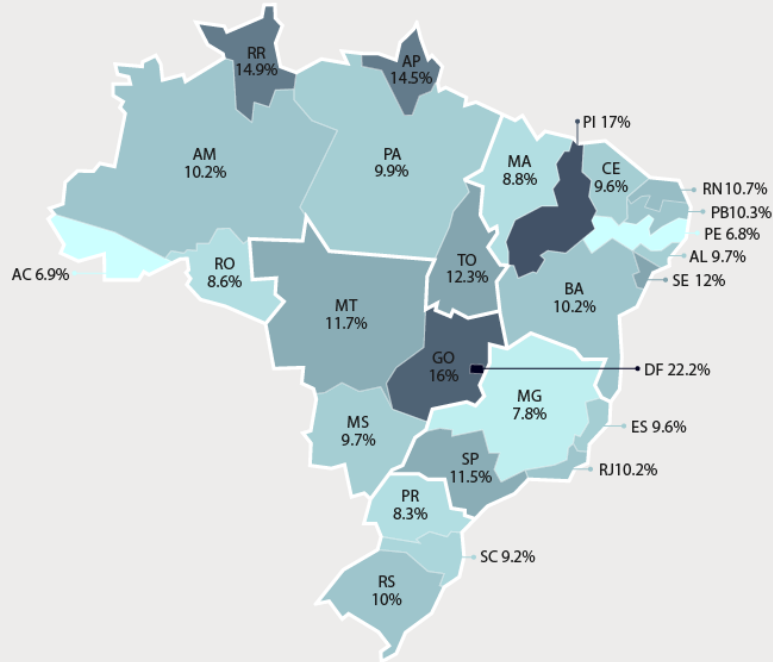


Source: PNAD COVID19



# “PNAD” COVID19 [National Household Sample Survey]

Persons who were tested for COVID-19  
By Federation Unit



Source: PNAD COVID19 - Sep Experimental Statistics



## Households receiving emergency aid

June 2020

By percentage



43% of the housing units received emergency aid

By ranges of per capita earnings

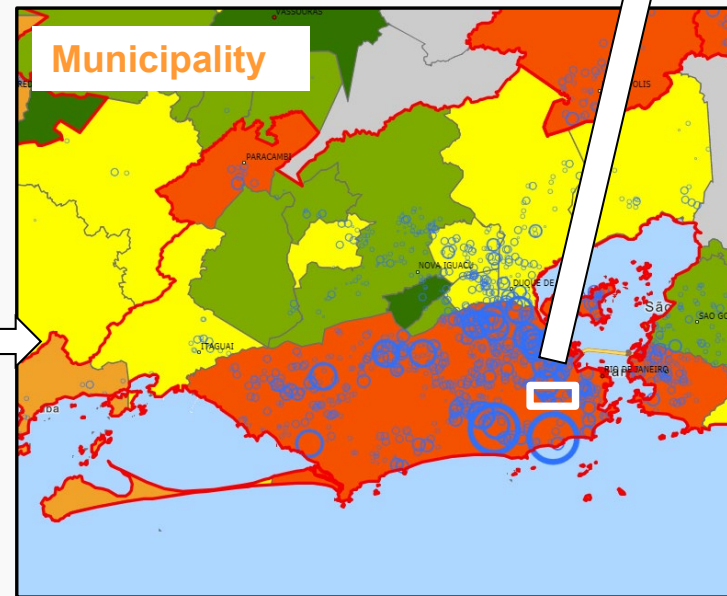
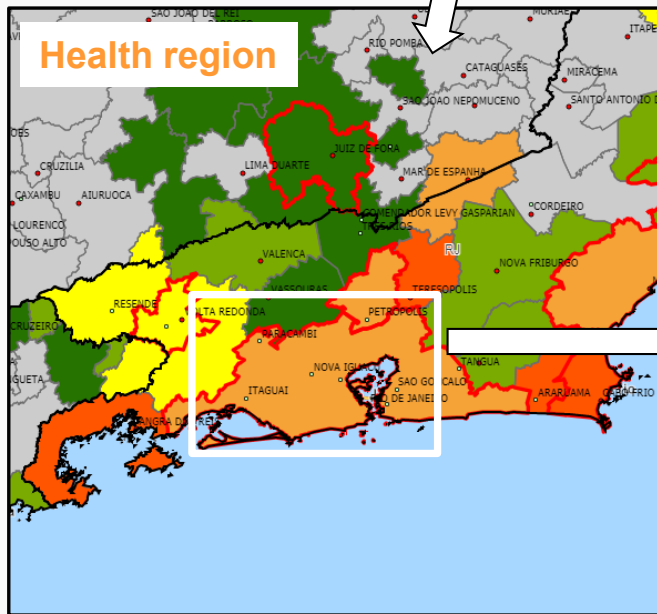
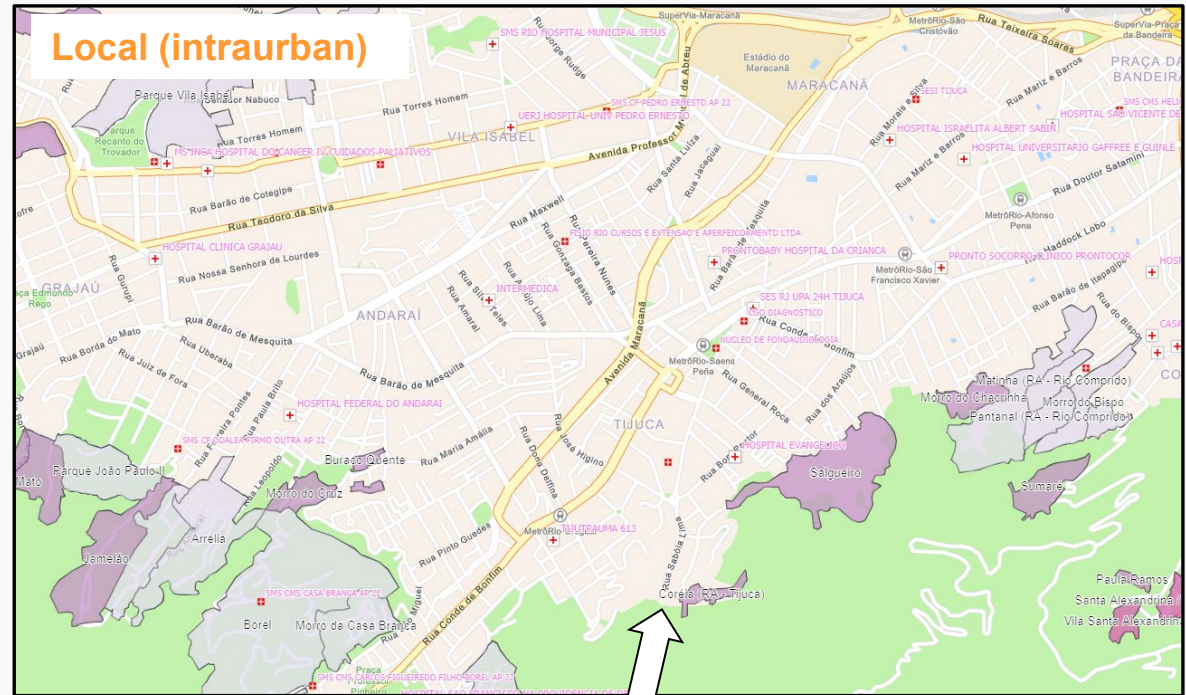
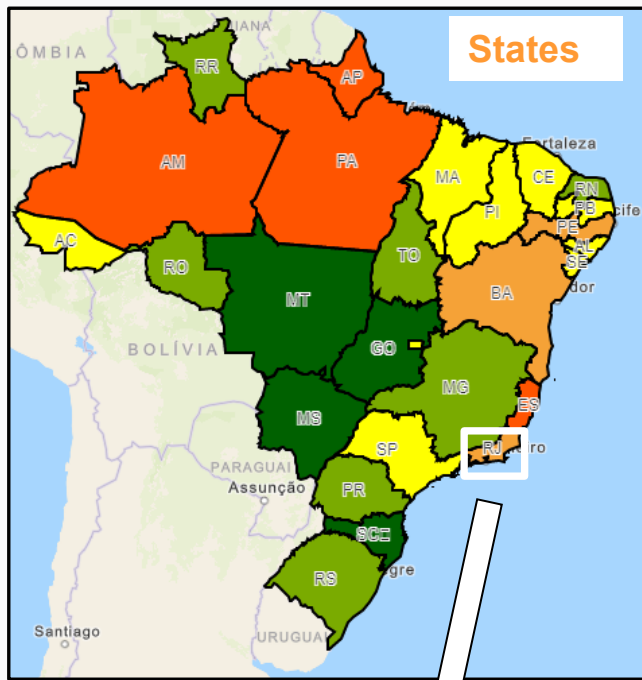


Fonte: PNAD COVID19 Estatísticas Experimentais

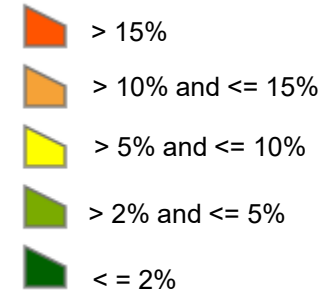


# Maps and databases at various scales

## Households in Slum Areas



### Percentage of households in slums



# Interactive Dashboard

<https://covid19.ibge.gov.br/paineis-sintese/>

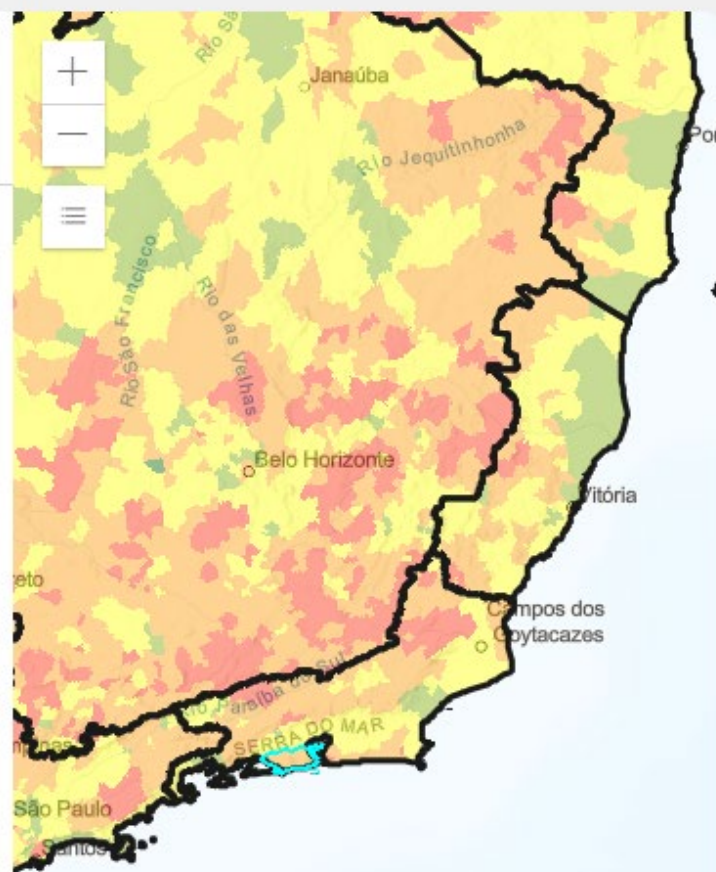
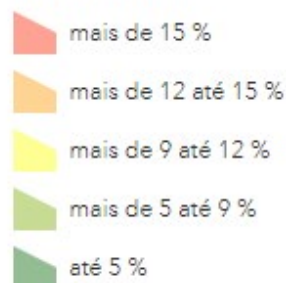
## População com 60 anos ou mais (2010)

Limites Estaduais



Distribuição da População por Municípios

Percentual da população com 60 anos ou mais (2010)



Esri, USGS | Esri, HERE, Garmin, FAO, NOAA... Powered by Esri



Vulnerable population



# Vulnerable population

População com 60 anos ou mais (2010)

**14,89%** 940.851 hab.

Na unidade da federação: 13,01%

Domicílios com 3 ou mais moradores por dormitórios (2010)

**10,62%** 671.247 unidade(s)

Na unidade da federação: 11,52%

Domicílios em aglomerados subnormais (estimativa 2019)

**19,28%** 453.571 unidade(s)

Na unidade da federação: 12,63%

Localidades Indígenas (estimativa 2019)

**3 localidade(s)**

Na unidade da federação: 3ª posição

Indicador	Quantidade	Valor de referência	Fonte	Visualizar
População (estimativa 2019)	<b>6.718.903 hab.</b>	38,92% da pop. na unidade da federação	IBGE, 2019	<a href="#">👁</a>
População (2010)	<b>6.320.446 hab.</b>	39,53% da pop. na unidade da federação	Censo Demográfico 2010	<a href="#">👁</a>
Pessoas declaradas Indígenas (2010)	<b>6.764 hab.</b> 0,11% pop. munic.	0,04% da pop. na unidade da federação	Censo Demográfico 2010	<a href="#">👁</a>
Localidades quilombolas	<b>11 localidade(s)</b>	9,48% das localid. quilombolas na unidade da federação	IBGE, 2019	<a href="#">👁</a>

População por faixa etária (2010)

> 59 anos: **940.851** pessoas

**14,89%**

30 a 59 anos: **2.629.277** pessoas

**41,6%**

0 a 29 anos: **2.750.318** pessoas

**43,51%**

## Responsiveness of the health care system

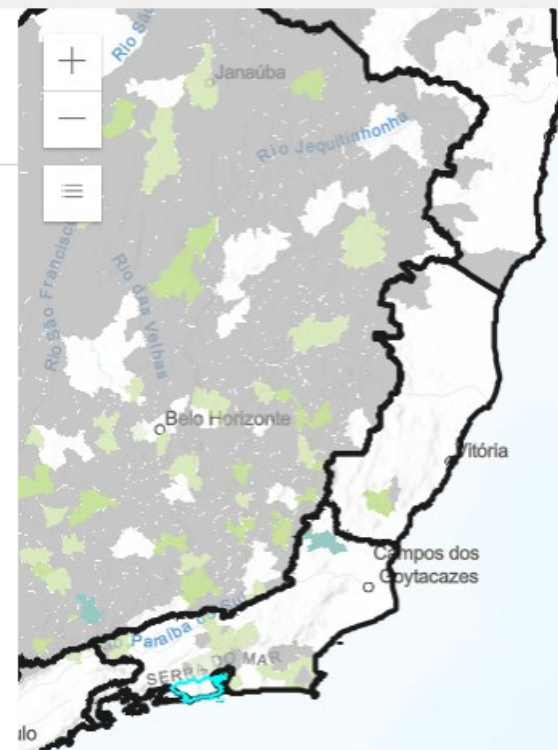
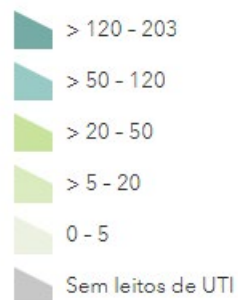
### Leitos de UTI no SUS (2019)

#### Limites Estaduais



#### Leitos de UTI por municípios em Dezembro 2019

Leitos de UTI disponíveis pelo SUS a cada 100 mil habitantes



Leitos de UTI no SUS (2019)

**7,68/100mil hab** 516 unidade(s)

Na unidade da federação: 6,96/100mil hab

Leitos hospitalares no SUS (2019)

**79,69/100mil hab** 5.354 unidade(s)

Na unidade da federação: 72,32/100mil hab

Respiradores no SUS (2019)

**32,52/100mil hab** 2.185 unidade(s)

Na unidade da federação: 24,29/100mil hab

Médicos no SUS (2019)

**206,51/100mil hab** 13.875 médico(s)

Na unidade da federação: 165,03/100mil hab

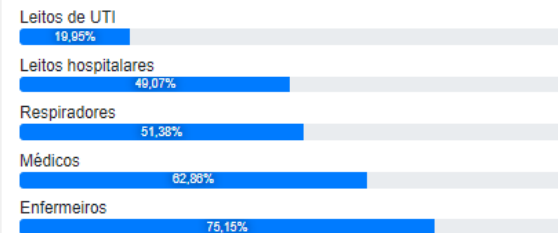
Enfermeiros no SUS (2019)

**144,52/100mil hab** 9.710 enfermeiro(s)

Na unidade da federação: 113,32/100mil hab

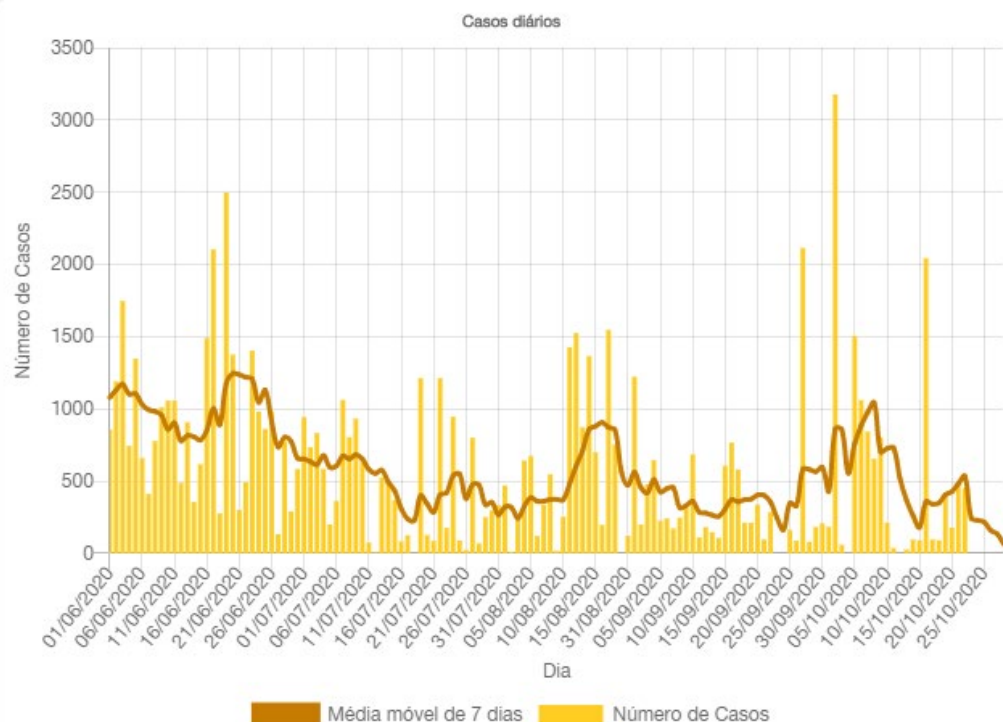
Indicador	Quantidade	Valor de referência	Fonte	Visualizar
Leitos de UTI (2019)	<b>38,5/100mil hab.</b> 2.587 unidade(s)	24,88/100mil hab. na unidade da federação	CNES, 2019	<a href="#">↗</a>
Leitos hospitalares (2019)	<b>162,41/100mil hab.</b> 10.912 unidade(s)	127,63/100mil hab. na unidade da federação	CNES, 2019	<a href="#">↗</a>
Respiradores (2019)	<b>63,3/100mil hab.</b> 4.253 unidade(s)	41,95/100mil hab. na unidade da federação	CNES, 2019	<a href="#">↗</a>
Médicos (2019)	<b>328,52/100mil hab.</b> 22.073 médico(s)	248,36/100mil hab. na unidade da federação	CNES, 2019	<a href="#">↗</a>
Enfermeiros (2019)	<b>192,31/100mil hab.</b> 12.921 enfermeiro(s)	139,79/100mil hab. na unidade da federação	CNES, 2019	<a href="#">↗</a>

#### Percentual disponibilizado pelo SUS (2019)





## Pandemic monitoring

[Casos por semana](#)
[Casos diários](#)

 Fonte: [Fiocruz/Brasil.IO, 2020](#)

Casos acumulados

**115.213 caso(s)**

Na unidade da federação: 306.672 caso(s)

 Casos na última semana - encerrada em  
24/10/2020

**1.605 caso(s)**

Na unidade da federação: 9.252 caso(s)

Casos novos no dia 28/10/2020

**0 caso(s)**

Na unidade da federação: 1.766 caso(s)

Indicador	Quantidade	Valor de referência	Fonte	Visualizar
Casos na última semana - encerrada em 24/10/2020	23,89/100 mil hab.	53,59/100 mil hab. na unidade da federação	Fiocruz/Brasil.IO, 2020	<a href="#">👁</a>
População estimada em 2019	6.718.903 hab.	38,92% da pop. estadual	IBGE, 2019	<a href="#">👁</a>



# Thank you for your attention

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