

## Informações sobre a COVID-19 a partir dos dados de óbitos de registros civis

<https://doi.org/10.1101/2020.08.07.20170183>

## Quem somos?

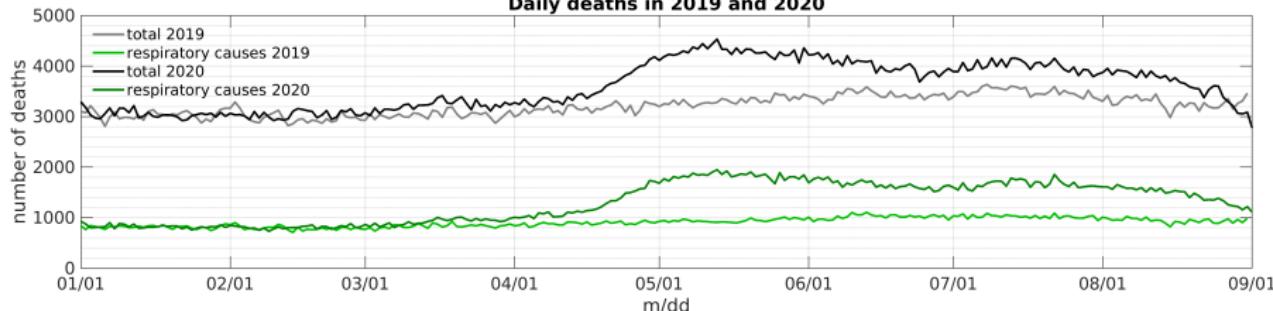
- O Observatório Fluminense (COVID19RJ) é uma iniciativa independente para responder a algumas das demandas geradas pela pandemia de COVID-19.
  - Casos e óbitos (letalidade e mortalidade)
  - Gráficos e mapas de monitoramento (evolução, progresso, tendência) e previsão da COVID-19
  - Municípios do Estado do Rio de Janeiro
  - Entes federativos
  - Alguns países
  - Dados de diversas fontes.
- Outros estudos relacionados aos impactos da epidemia.

# Informações a partir dos dados de óbitos de registros civis

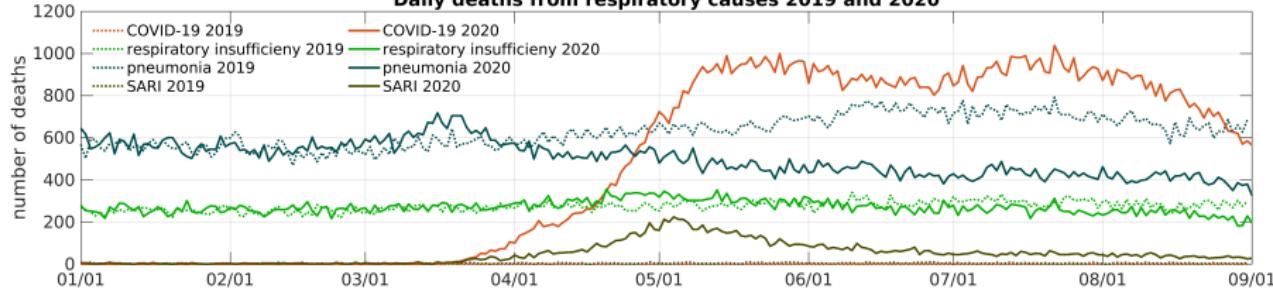
- ▶ Objetivo: aferir os impactos da COVID-19 no Brasil e seus entes federativos
- ▶ Metodologia: avaliação do números de óbitos
- ▶ Fonte: portal da transparência registo civil
- ▶ Resultados
  - ▶ Análise histórica da epidemia
  - ▶ Excesso de mortalidade
  - ▶ Andamento da epidemia pelos entes federativos
  - ▶ Análise da mortalidade por faixa etária e sexo

# Mortes Diárias (Jan – Ago 2019 e 2020)

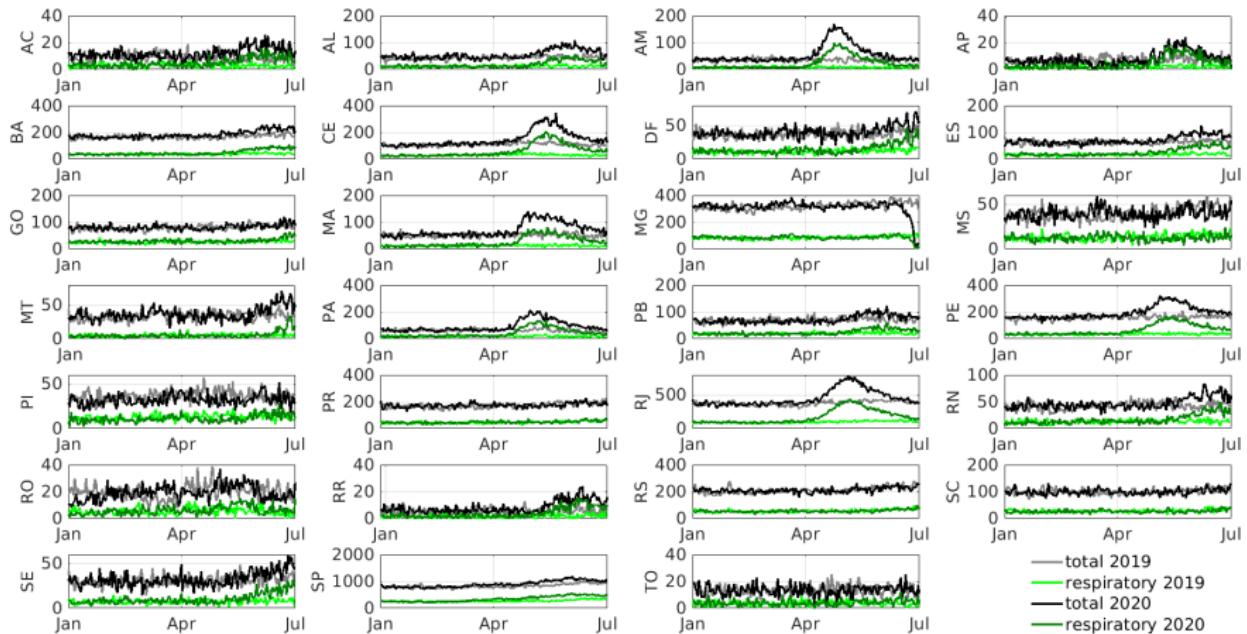
Daily deaths in 2019 and 2020



Daily deaths from respiratory causes 2019 and 2020

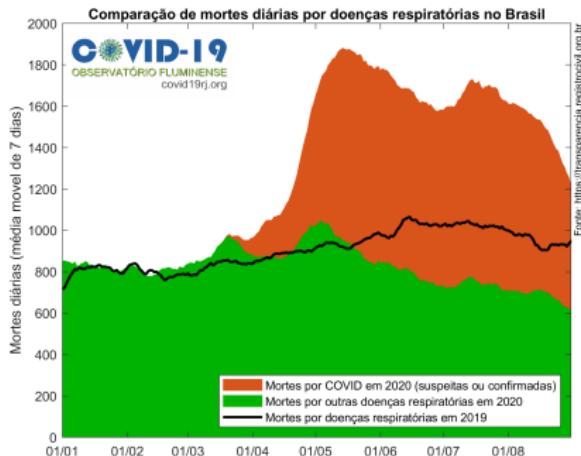
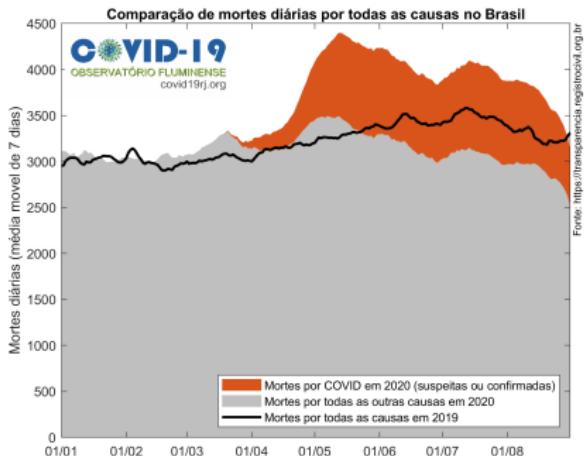


# Mortes por Estados (Jan – Ago 2019 e 2020)



total 2019  
respiratory 2019  
total 2020  
respiratory 2020

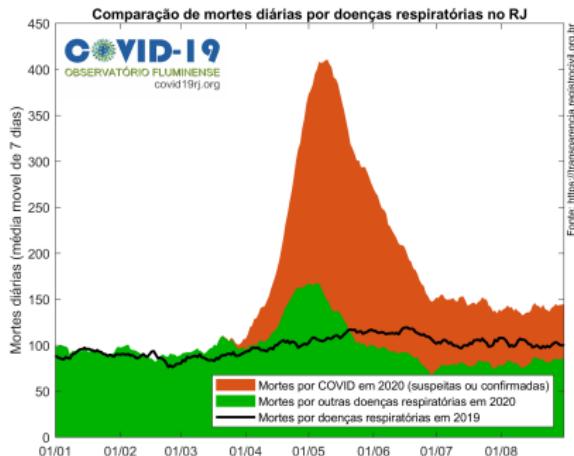
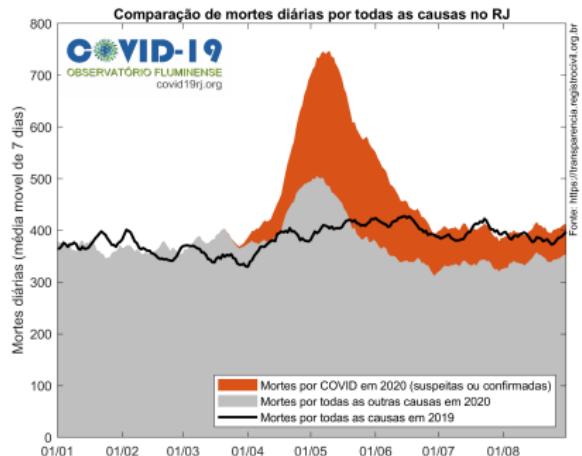
# Excesso de mortalidade (Jan – Ago 2019 e 2020)



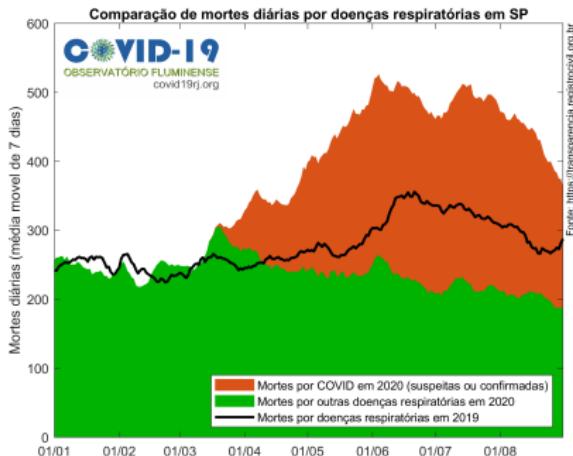
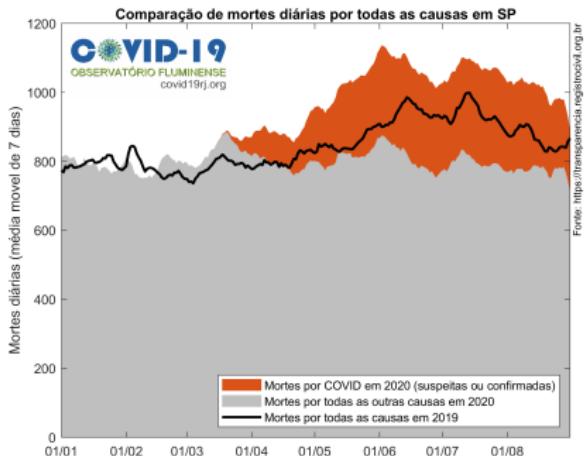
## Excesso de mortalidade: números

- ▶ Mortes em 2019 (até ago): 780.996
- ▶ Mortes em 2020 (até ago): 877.985
- ▶ Diferença: 96.989
- ▶ Mortes atribuídas à COVID-19: 117549 > Diferença
- ▶ Mortes esperadas até ago de 2020:  $209\text{ M} \times 6/\text{mil} \times 2/3\text{ (8 meses)} = 847.147$

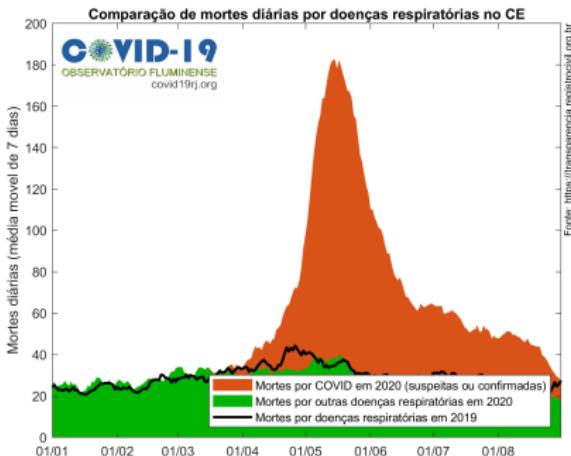
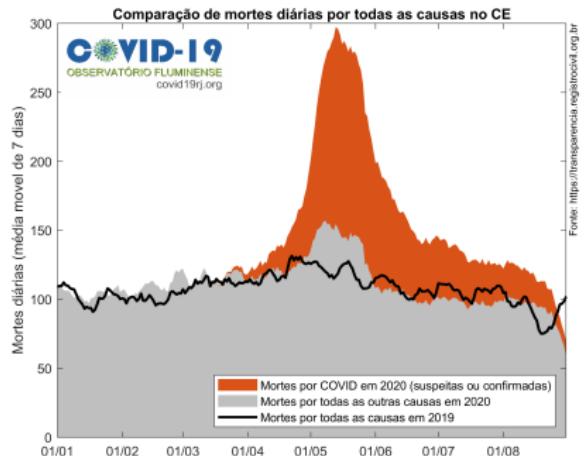
# Excesso de mortalidade no RJ (Jan – Ago 2019 e 2020)



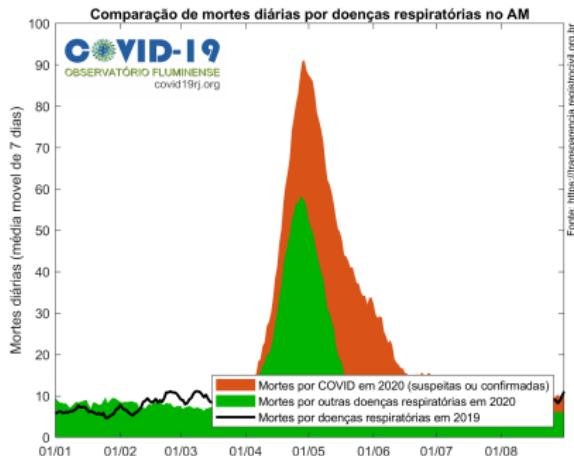
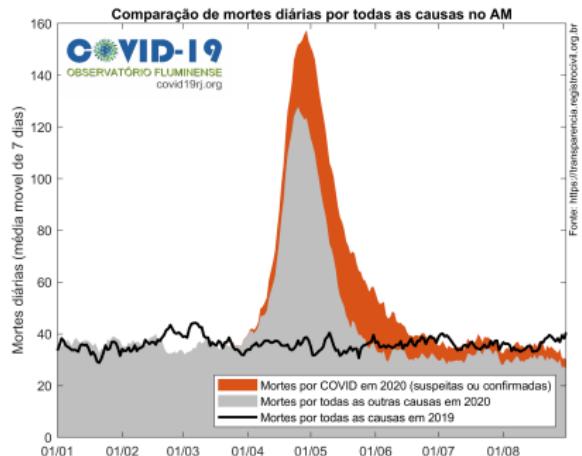
# Excesso de mortalidade em SP (Jan – Ago 2019 e 2020)



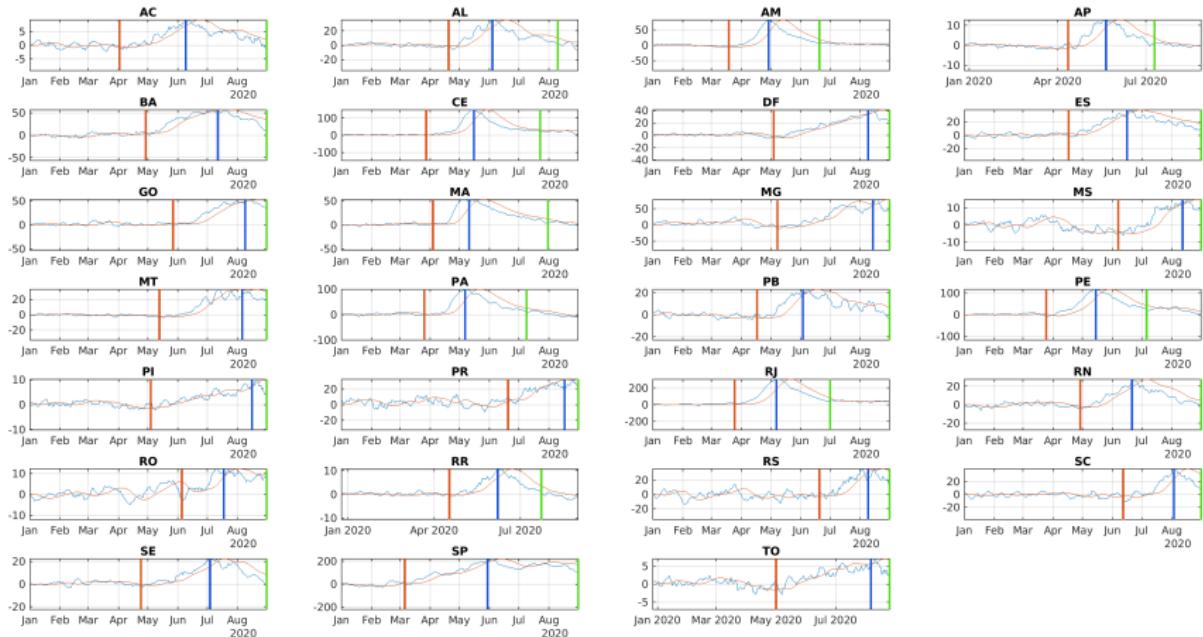
# Excesso de mortalidade no CE (Jan – Ago 2019 e 2020)



# Excesso de mortalidade no AM (Jan – Ago 2019 e 2020)

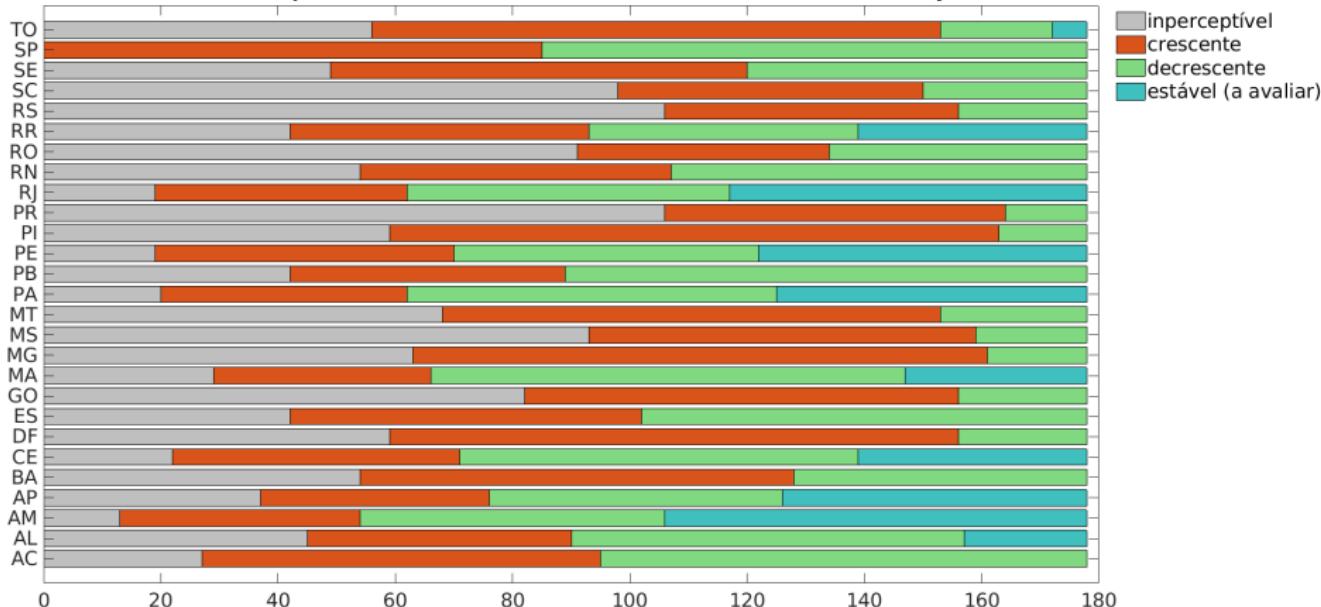


# Passo da Epidemia nos estados (Jan – Ago 2019 e 2020)

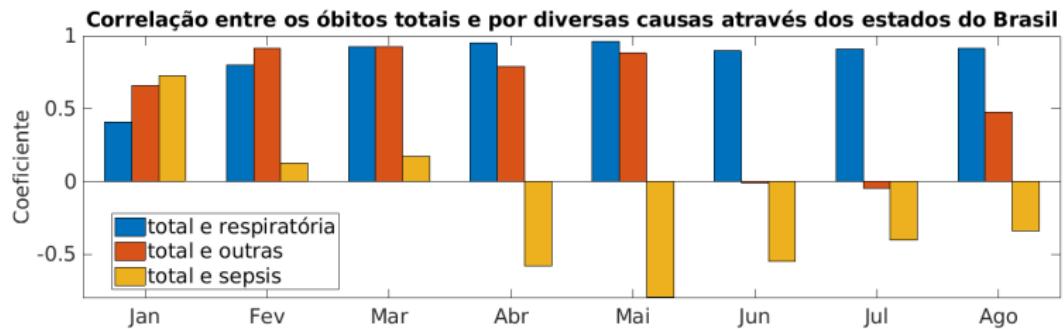


# Passo da Epidemia nos estados (Jan – Ago 2019 e 2020)

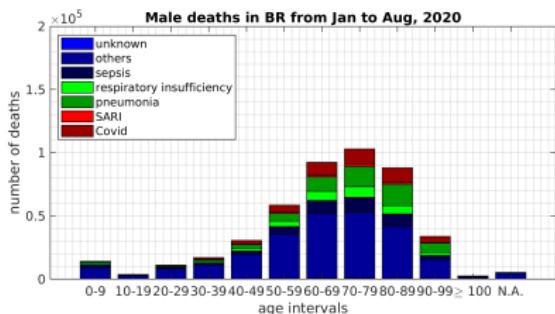
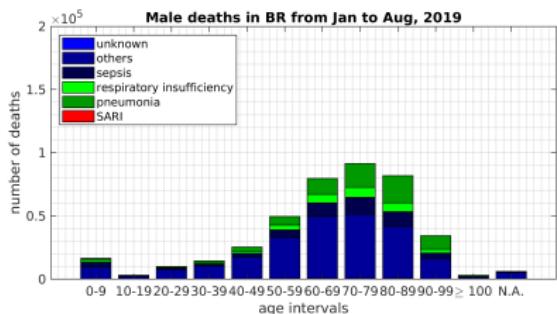
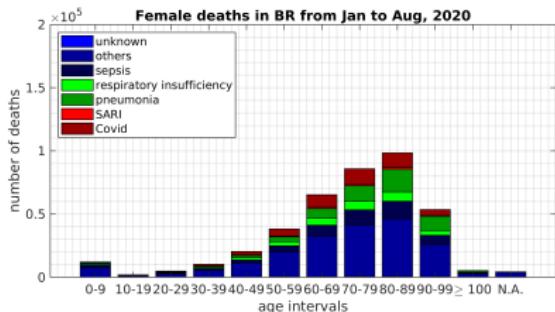
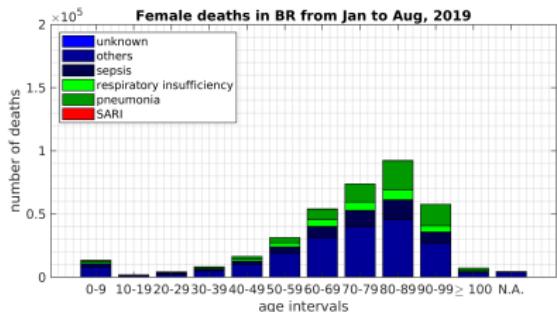
Passo da epidemia de COVID-19 nos estados (o último dia é dia de hoje)



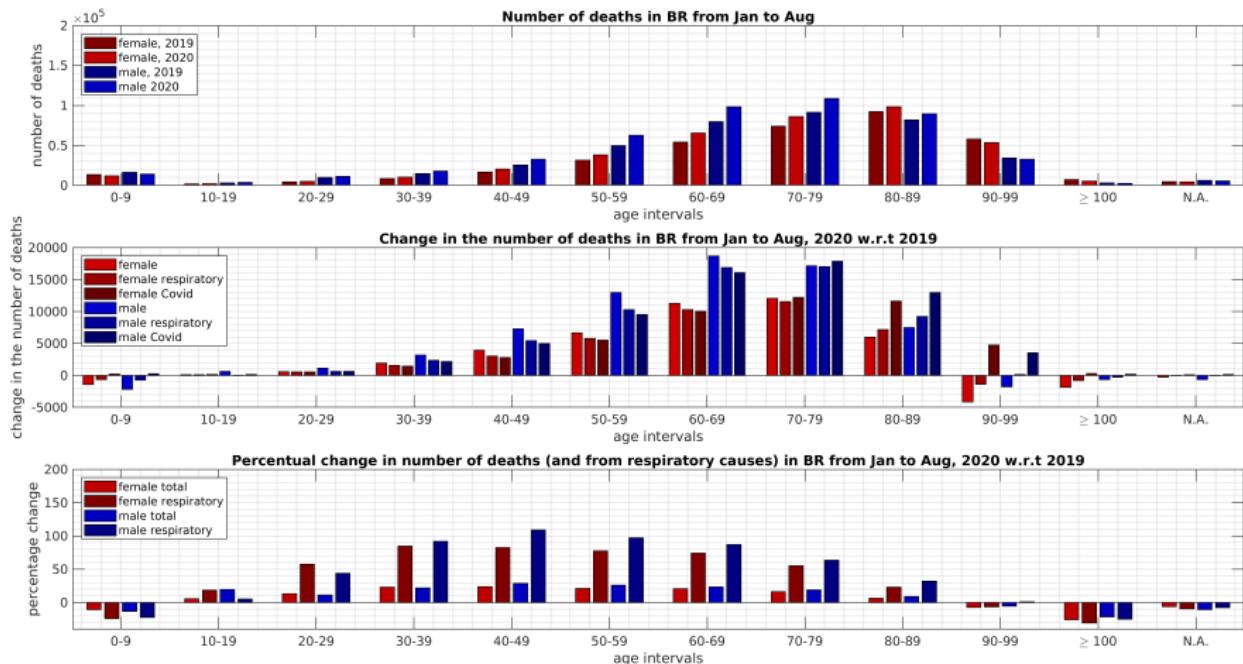
# Influências das causas de óbitos (Jan a Ago de 2020)



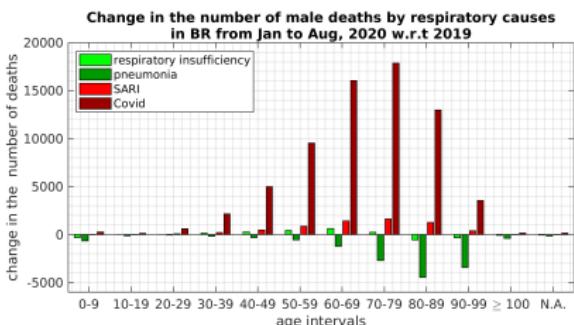
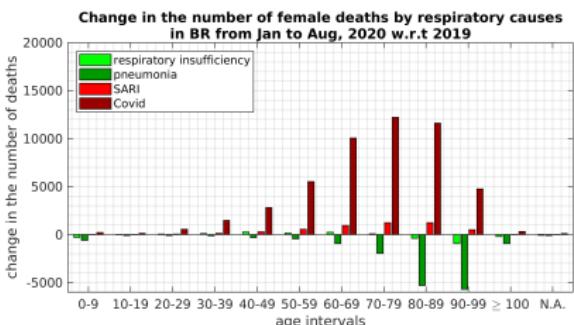
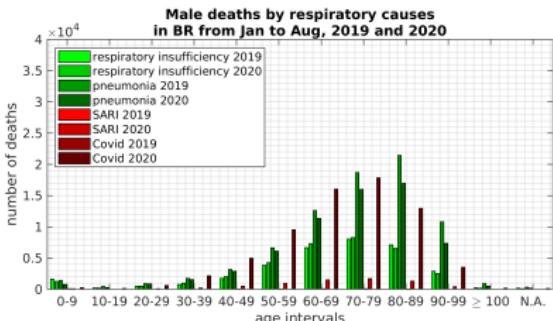
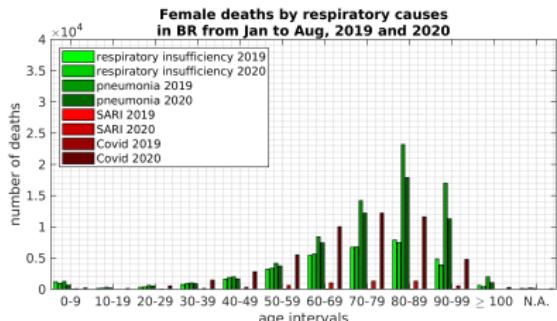
# Mortes × causas × sexos (Jan a Ago 2019 e 2020)



# Mortes × sexos × idades (Jan a Ago 2019 e 2020)



# Mortes p/ causas resp. × sexos × idades (Jan a Ago 2019 e 2020)





OBSERVATÓRIO FLUMINENSE

[www.covid19rj.org](http://www.covid19rj.org)

