

# post COVID-19 condition

Defining persisting symptoms following COVID-19 infection

5.1.2e

12-10-2021



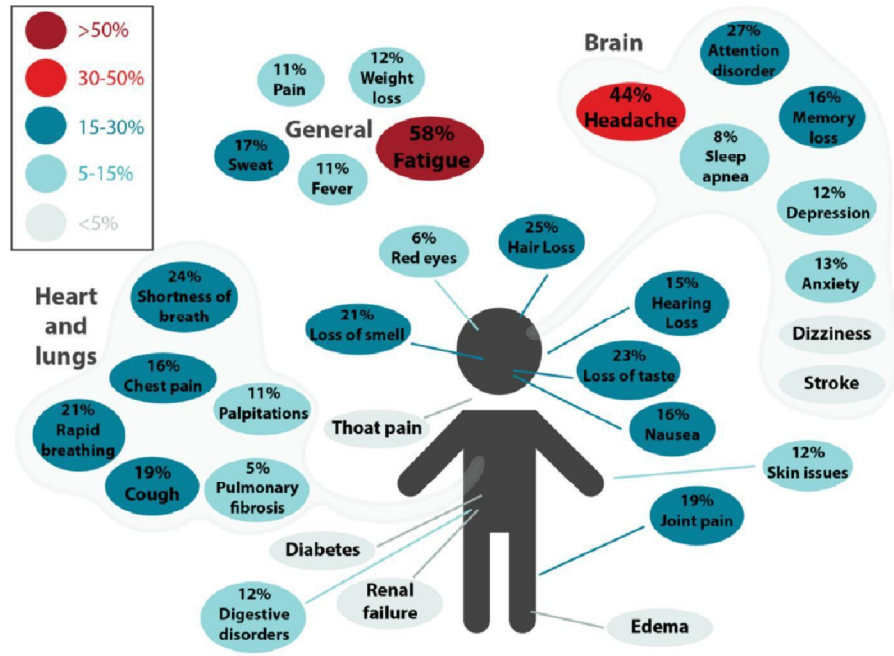
# ~~Long COVID~~ post COVID-19 condition

“Post COVID-19 condition occurs in individuals with a **history of probable or confirmed SARS-CoV-2 infection**, usually **3 months from the onset of COVID-19** with **symptoms that last for at least 2 months** and **cannot be explained by an alternative diagnosis**. Common symptoms include **fatigue, shortness of breath, cognitive dysfunction but also others\*** and generally have an **impact on everyday functioning**. Symptoms may be **new onset** following initial recovery from an acute COVID-19 episode or **persist from the initial illness**. Symptoms may also **fluctuate** or **relapse** over time”

*WHO 2021*



# Long-term effects of COVID-19



DOD 12-10-21

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Adapted from Lopez-Leon et al. (2021)



# Long-COVID Study

	Prospective Cohort	Retrospective Cohort	Acute data
Adults	Yes	Yes	Yes
Children (5+)	Yes	Yes	Yes
Cases Covid +	Antigen, PCR	Antigen, PCR, No test	Antigen, PCR
Controls	Negative tests, Population controls	Negative tests, Population controls	Case-(asymptomatic)
Participants (N)	3131 cases 1821 negative controls 889 population controls	3960 cases 1821 negative controls 889 population controls	≈2926
Outcomes	EQ-5D, SF-12, Absenteeism, Productivity, informal care, symptom data, healthcare utilization, hospital	EQ-5D, SF-12, Absenteeism, Productivity, informal care, symptom data, healthcare utilization	Weekly symptoms data and EQ-5D



# The problem

## Problem 1:

What symptoms to consider?  
Can symptoms be considered in clusters? Do we look at whether they have an impact on daily functioning?

## Approach:

- > Describe the prevalence of all symptoms reported (in the cases and controls)



# The problem

## Problem 2:

Symptoms cannot be explained  
by an alternative diagnosis

## Approach:

- › Compare the prevalence of all symptoms in the cases and controls, symptoms markedly elevated in cases compared to controls will be used in the definition of post COVID-19 condition



## Discussion

- > Limitations of using negative controls
- > Use of population controls
- > What do you think about our approach?
- > What would you do differently?



# Team

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