

## Welcome to the COVID-CF project in Europe

CF patient registries throughout Europe have collected data about people with CF who become infected with SARS-Cov-2, causing the illness COVID-19.

Countries that contribute annual data to the ECFS Patient Registry (ECFSPR; [www.ecfs.eu/ecfspr](http://www.ecfs.eu/ecfspr)) were invited to report COVID-19 case data of people with a PCR-confirmed diagnosis of CF. Centres reported data directly to the ECFSPR, and aggregated data was provided by national registries that use their own data-collection system. Here we present centralised, anonymised data.

We have published two peer reviewed scientific articles: one about [the incidence of SARS-Co-V-2 infection in pwCF](#) up to the 30 June 2020 and one about [risk factors for poorer outcomes](#).

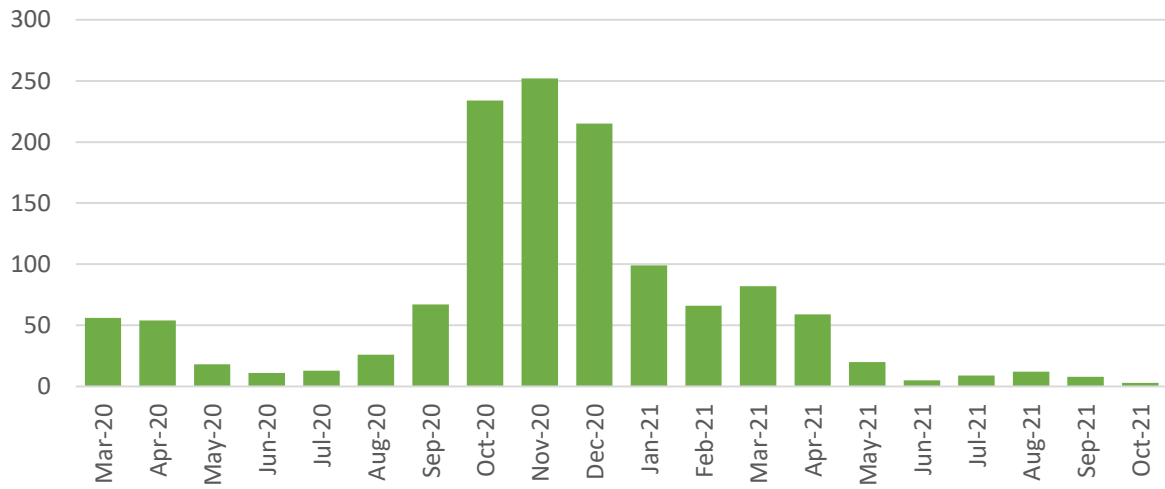
The updates presented here are not peer reviewed and should be considered as preliminary.

### Summary (up to 15 Nov 2021)

1880	People with CF have COVID-19 (including some cases not confirmed by PCR)
1549	PCR or antigen-confirmed cases with data available
311	Were hospitalised
52	Needed intensive care

## Month of diagnosis with SARS-CoV-2 infection

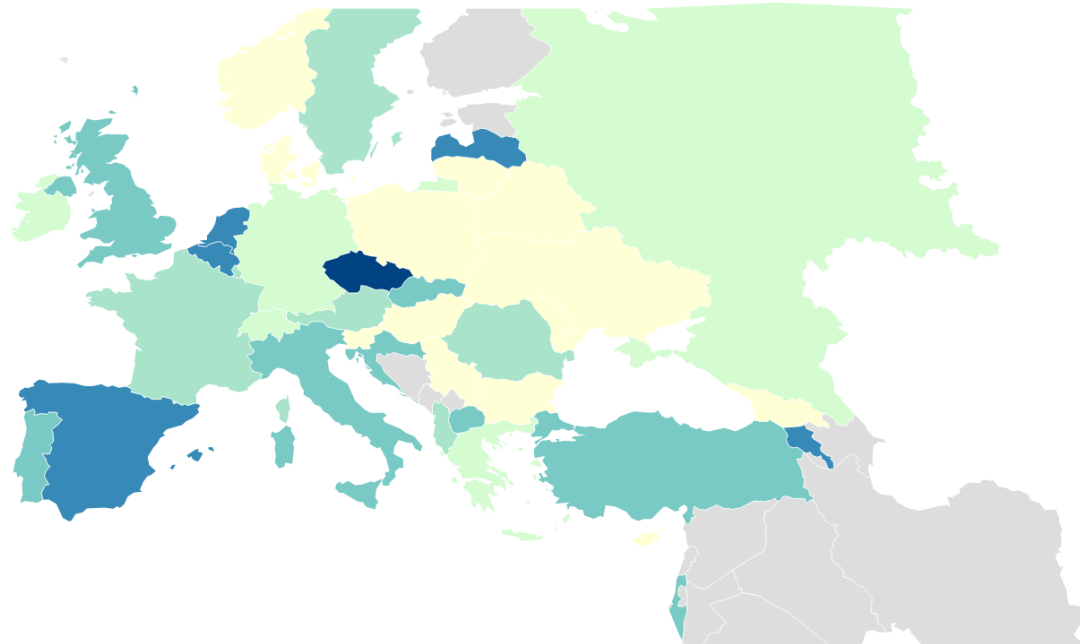
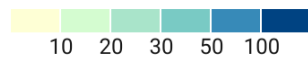
Number of patients (n=1549)



## Distribution in Europe

**SARS-CoV-2 incidence per 1000 pwCF (up to 15/11/21)**

n=1549

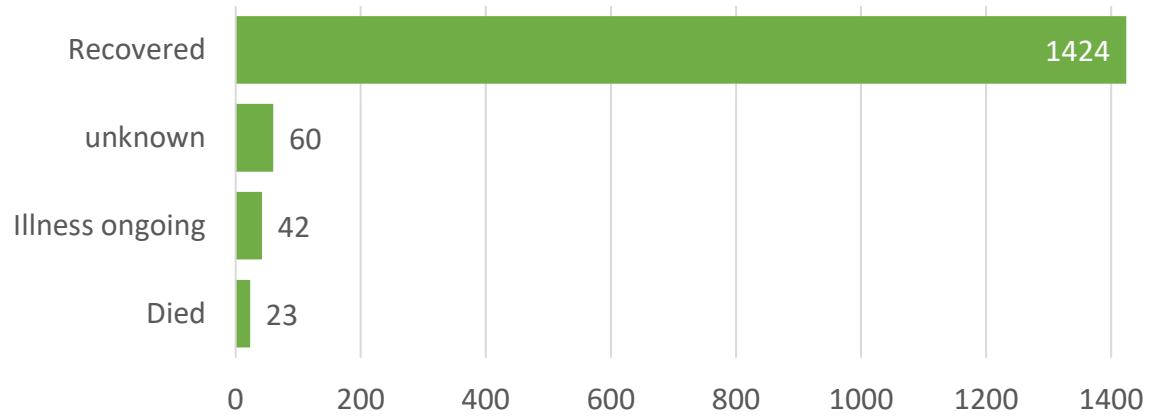


Countries in grey not in ECFSPR

Created with Datawrapper

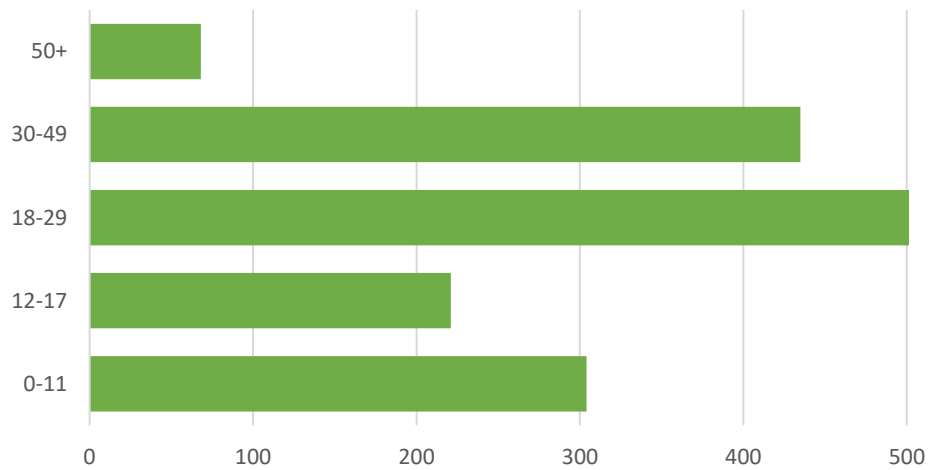
## COVID-19 outcomes

Number of patients (n=1549)



## Age category (years)

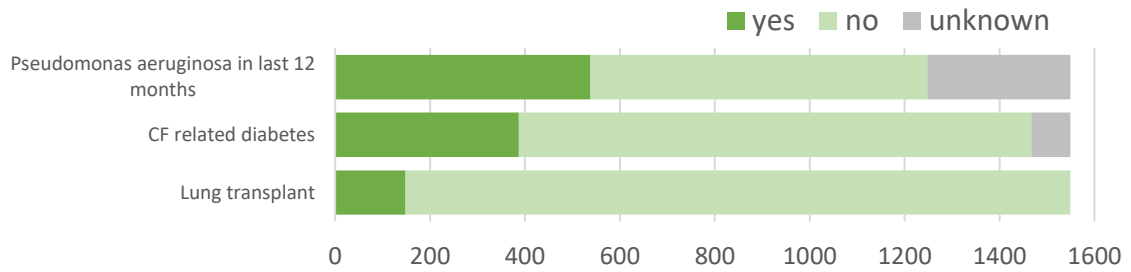
Number of patients (n=1549)



## Cystic fibrosis characteristics

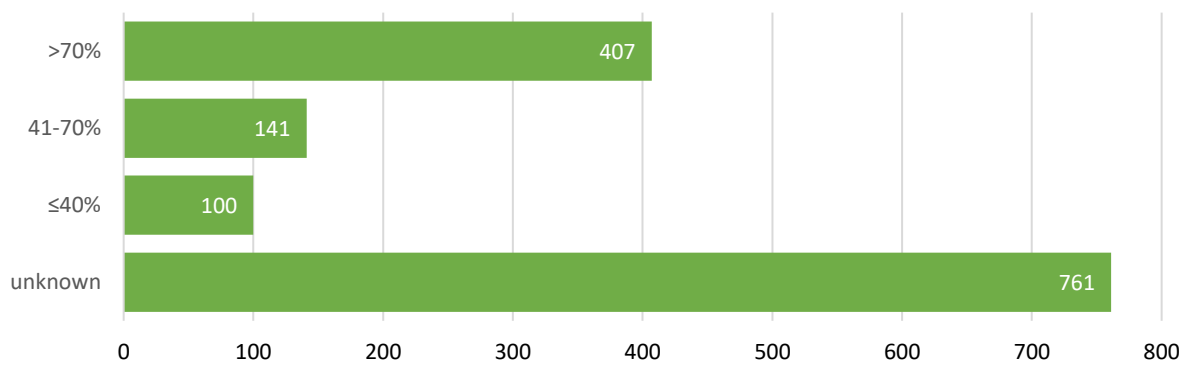
Number of patients (n=1549)

Patients could have between 0 and 3 of these characteristics



## Percent predicted FEV1

Number of patients (n=1409\*)



Note: ppFEV1 = percent predicted forced expiratory volume in one second.

\*Percent predicted FEV1 was only calculated for patients aged 6 years and over