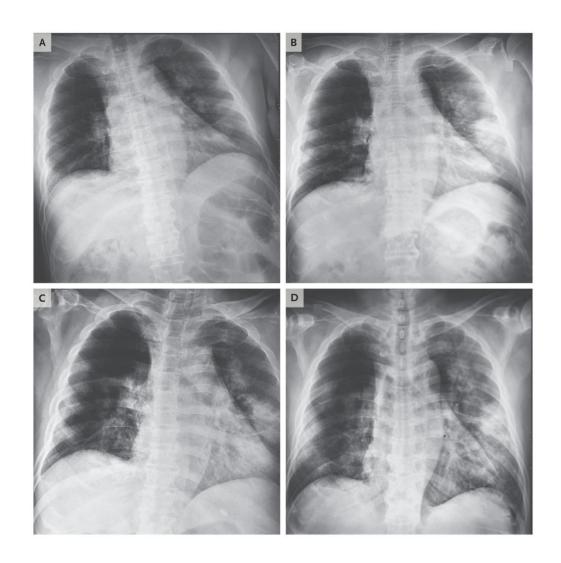
Immunsvar til COVID-19

Rebecca Cox



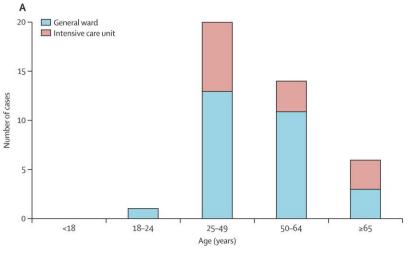


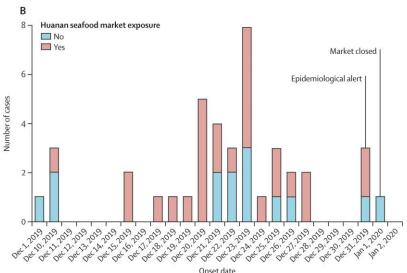


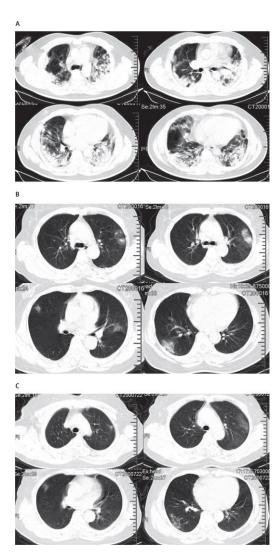
LT Phan et al. N Engl J Med 2020. DOI: 10.1056/NEJMc2001272









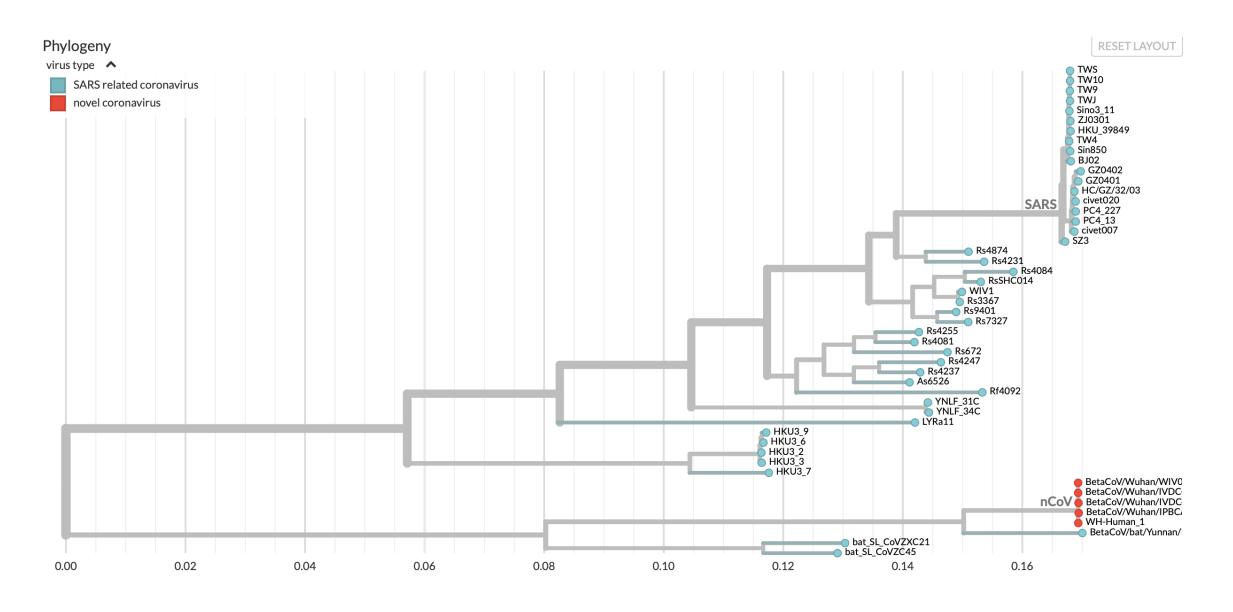


The Lancet

DOI: 10.1016/S0140-6736(20)30183-5



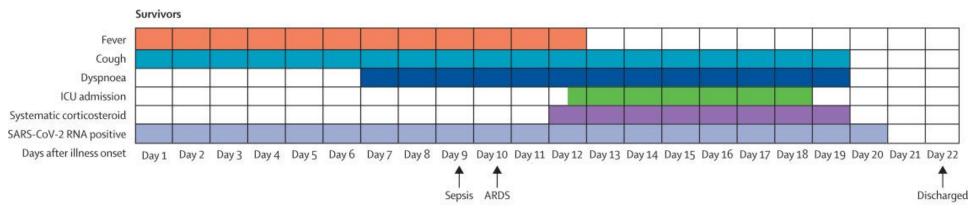
SARS-COV-2 is related to SARS virus

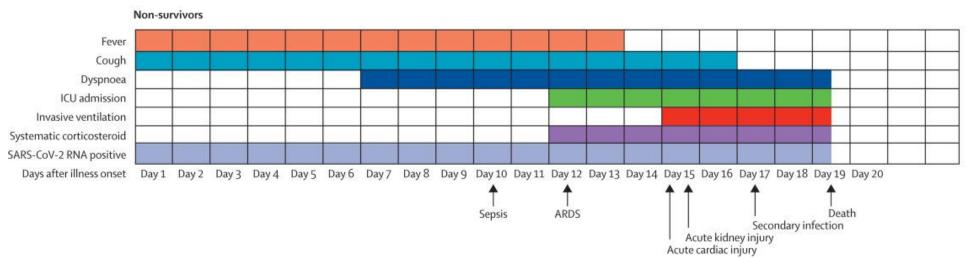






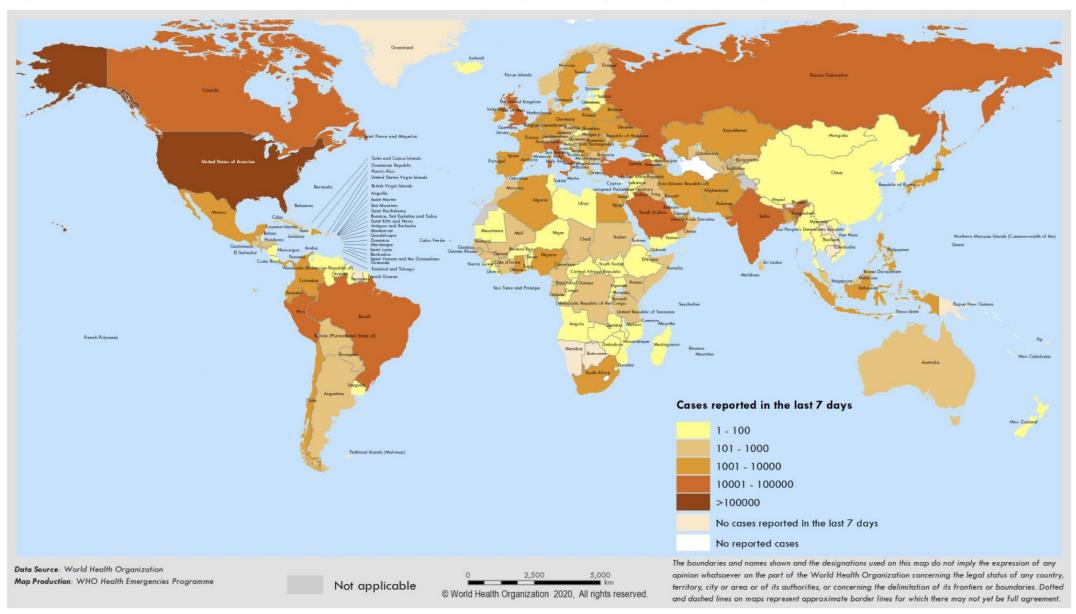
Clinical picture

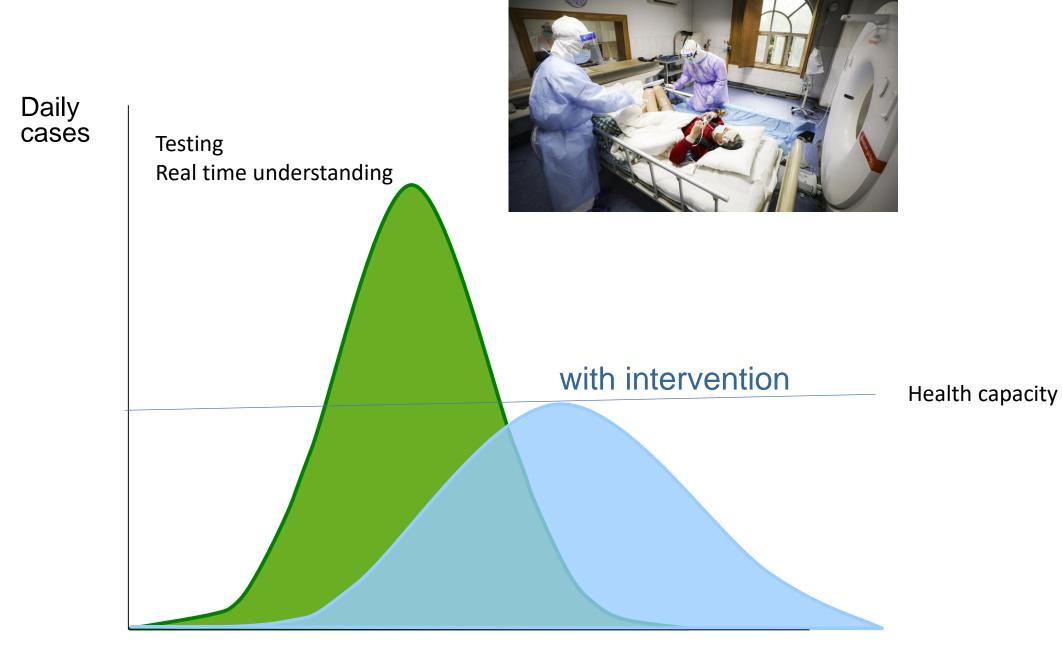




Surveillance

Figure 1. Number of confirmed COVID-19 cases reported in the last seven days by country, territory or area, 30 April to 6 May**





Days since first case

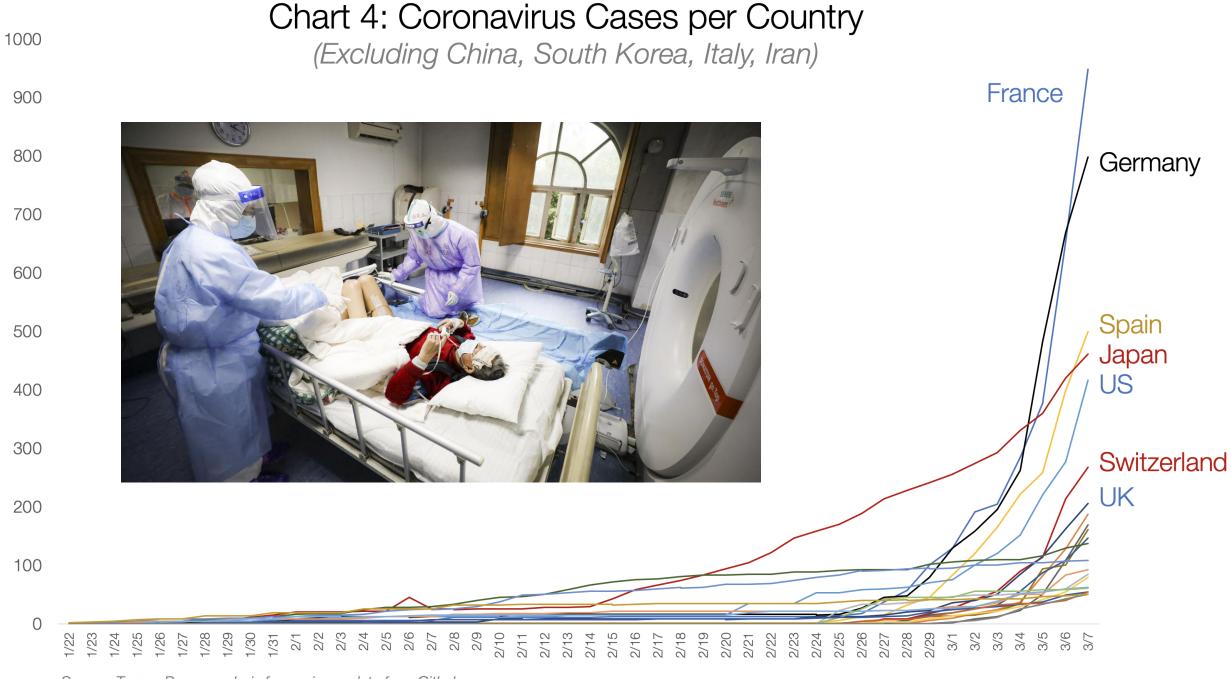
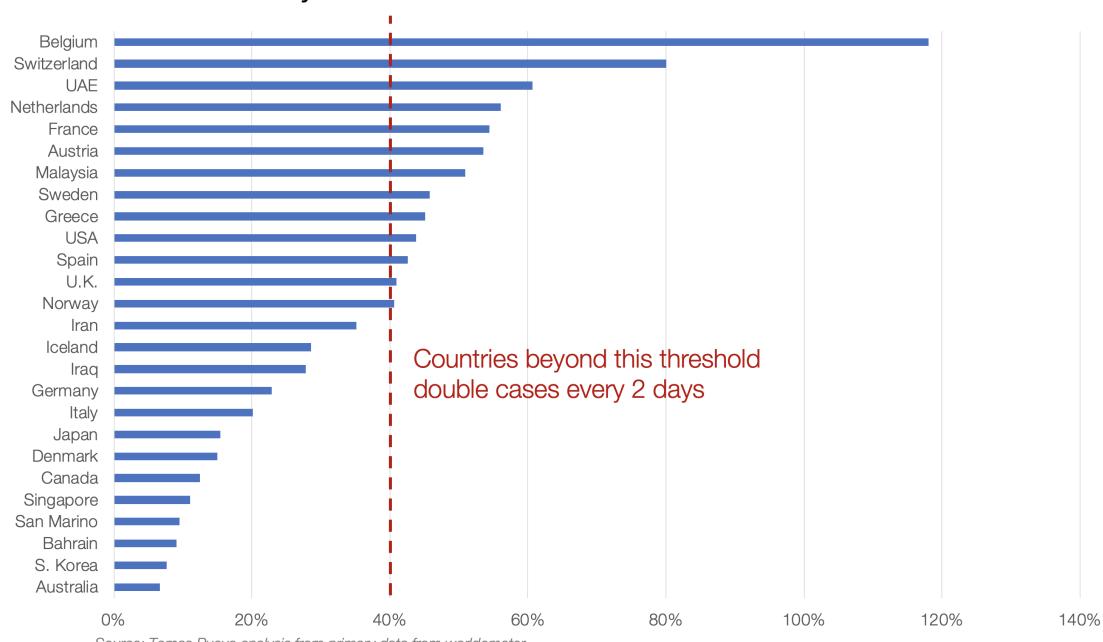


Chart 5: Daily Growth Rate of Cases between 3/5 and 3/6



Source: Tomas Pueyo analysis from primary data from worldometer Only includes countries that have >20 cases and >5% growth rate





Haukeland universitetssjukehus

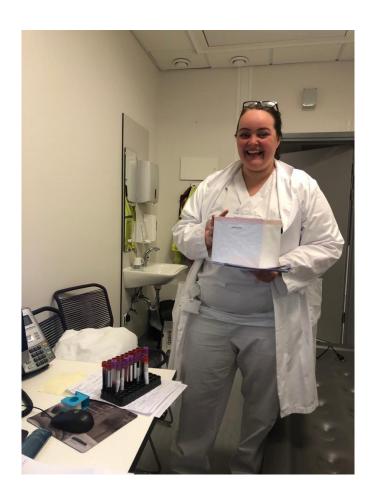


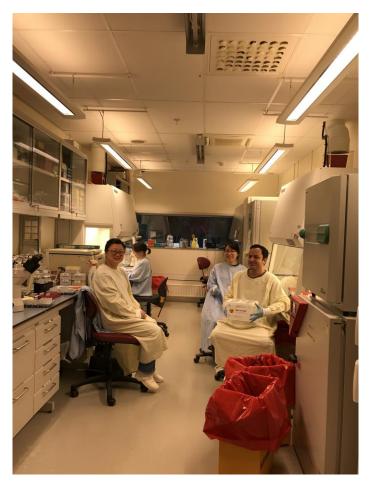












Li Wenliang died at 34 years old in Wuhan



The Guardian 2nd May



Doctors, nurses, porters, volunteers: the UK health workers who have died from Covid-19





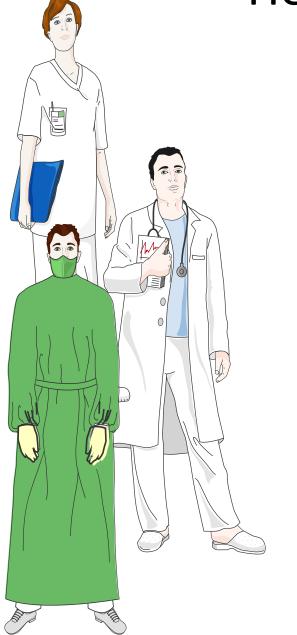














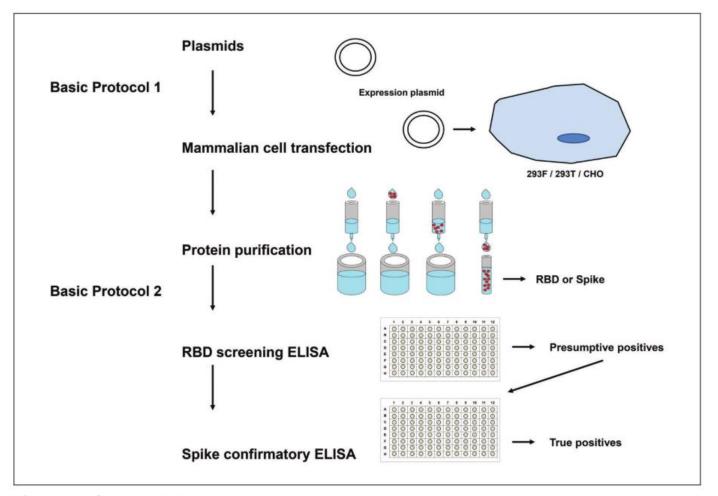
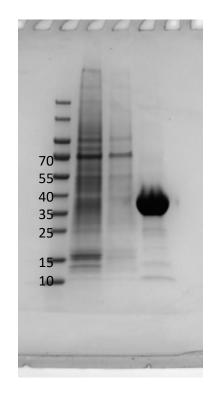
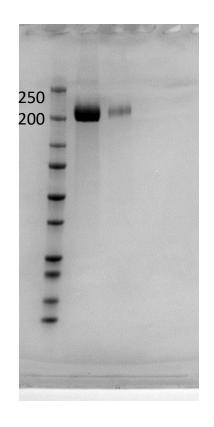


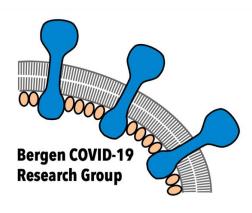
Figure 1 Graphical protocol overview.

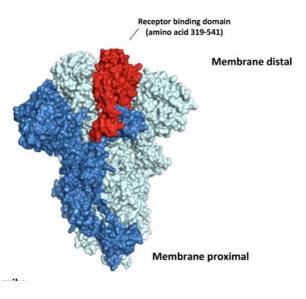
RBD



S-protei

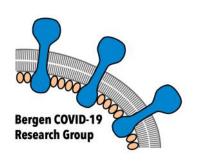




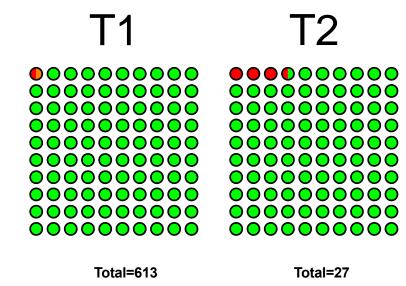


Influensasenteret





HCW SCREENING



Positive

Negative

Borderline

Karl A. Brokstad

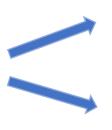




COVID-19 in Bergen



Bergen Legevakt



COVID +

COVID -

Probable or possible cases (Family members of COVID+ cases)



Hospitalized Patients



COVID-19 ØHD Regular ward



| | Influenza 1957 | Influenza 1968 | Influenza 2009 | Influenza 1977–8 | COVID-19, Hubei 2020 |
|--------------------------------------------------|----------------------|------------------|----------------|------------------|-------------------------|
| Community attack rate confirmed cases | 18.5–26.8% | 15% | 17,5 | 2.2–31% | < 2% |
| Secondary household contact attack rate | 8.4–23% ^a | 20% ^a | 4–6% | 16% | 3–10% |

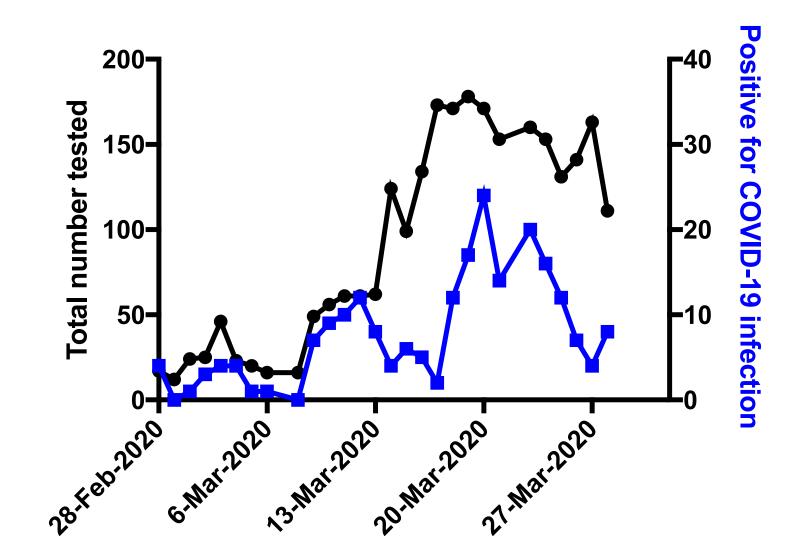
^aNot laboratory confirmed

Table 1 Attack rates of pandemic or seasonal influenza and COVID-19 in Hubei province [1, 2]

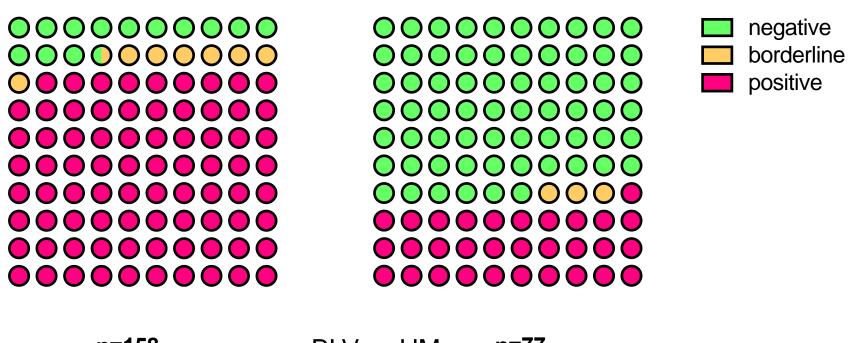
Infection (2020) 48:151–153 https://doi.org/10.1007/s15010-020-01409-4

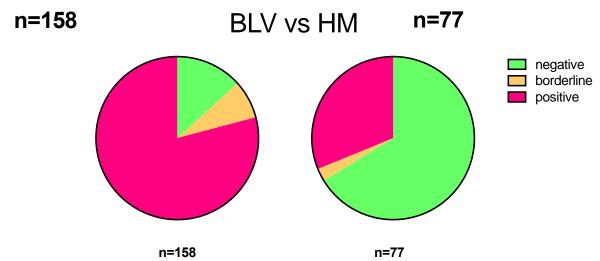
^aNot laboratory confirmed

COVID-19 testing in Bergen



BLV vs HM





Hospitilised patients with COVID-19



COVID-19 hospitalized Regular ward

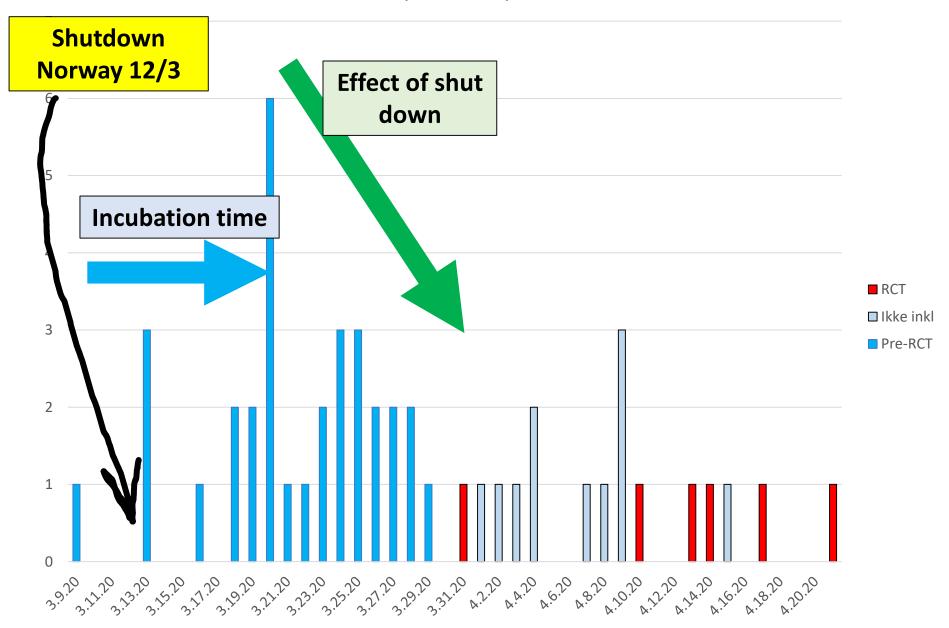


COVID +Hospitalized Intensiv Care





Covid-pasienter på Haukeland



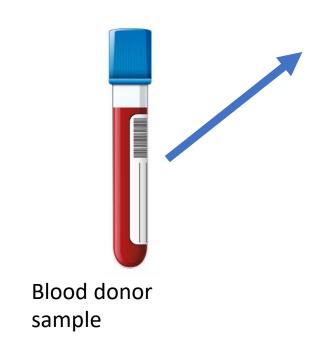
Convalescent plasma at Haukeland B

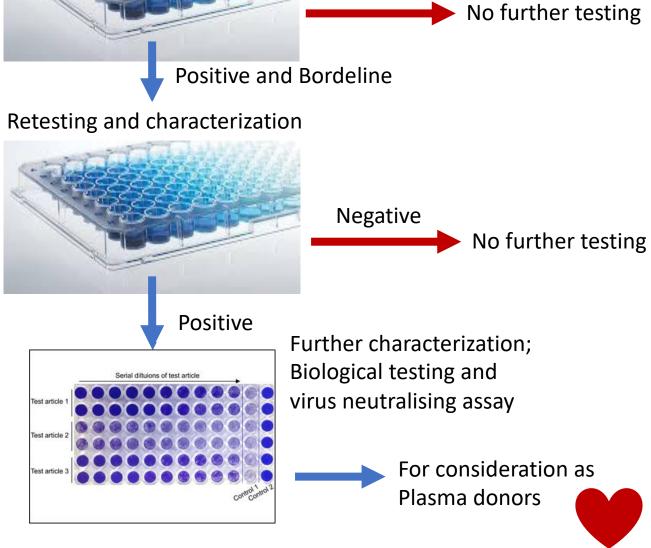




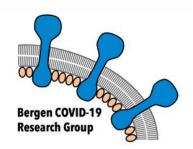
TESTING OF BLOOD DONORS FLOWCHART (QUALITY TESTING)

Screening



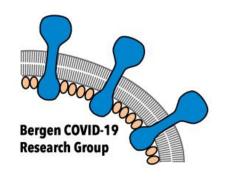


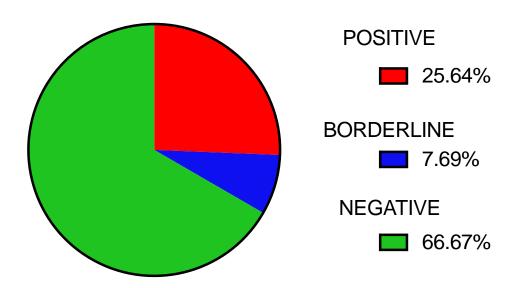
Negative



Blodgivere - Screening

SARS-CoV2 serologi





Total=39



Ranking Global Pandemic Preparedness

This pre-COVID-19 report found that no country was truly prepared to manage a pandemic

The Global Health Security Index measures the state of health security around the world. The index is composed of 6 categories:



PREVENTION

Prevention of

the emergence or release of



AND REPORTING

Early detection and reporting for epidemics of potential



Rapid response to and mitigation of the spread of an epidemic



SYSTEM

Robust health

sick and protect health workers





COMPLIANCE WITH Commitments to improving system to treat the national capacity, financing plans, and adhering to

Overall risk country vulnerability to biological threats

Here's how countries scored in terms of health security:

Countries with a population of over 5 million





30150 deaths



73 431 deaths



216 deaths







