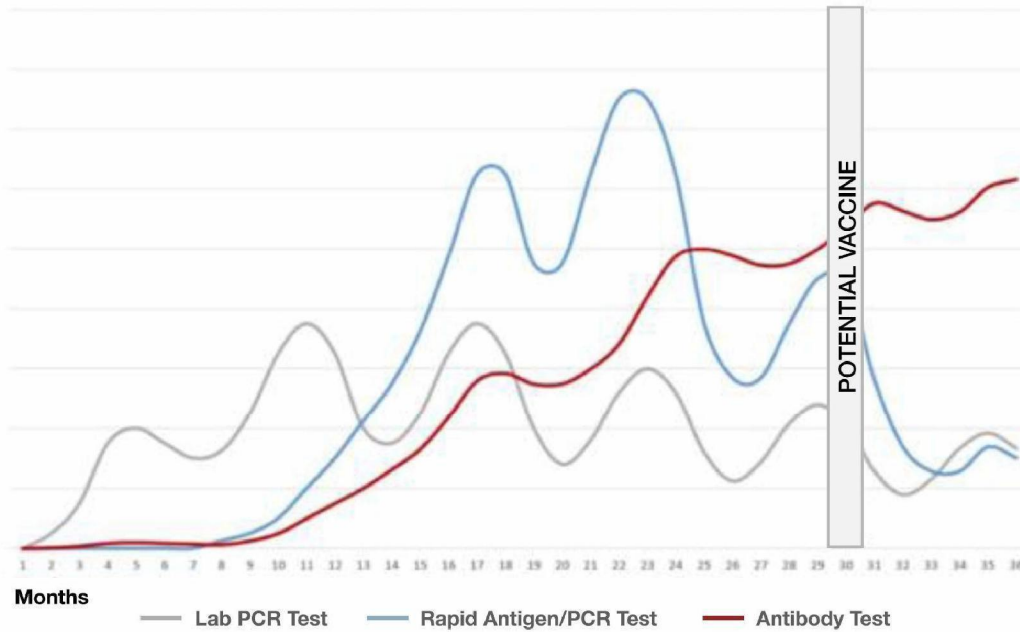


Covid-19 - Testing Type Over Time



Observations

- Two main testing waves (spring +Autumn) are excited every year until a vaccine becomes widely available. The two waves match with flu season which shows similar symptoms.
- Total testing capacity increases over time due to an improvement related to facilities, point-of-care testing are product approval by health authorities.
- Rapid Testing methods, which allow a 15 minutes, low cost on-site screening are expected to dominate the market for the upcoming waves considering that lab based PCR methods show several limitations (waiting times, costly, results taking several days ect.)
- As prevalence increases (% of population that has been infected), PCR and Antigen methods lose their effectiveness since % of population with a possible immune status increases over time. Indeed PCR and Antigen are generally useless for individuals with have been infected in the past.
- Testing efforts progressively shift towards antibody test to monitor the presence of antibodies and the length of such potential immune status.
- Once a vaccine becomes widely available, PCR and Antigen methods become outdate. Antibody testing demand increases since it can confirm the vaccines' effectiveness individuals (effective appearance of antibodies)

