



**Supplementary Fig. 1.** Initially recommended vaccine and start date for each group and vaccination rate as of April 30, 2022. AZ, AstraZeneca COVID-19 vaccine; Pf, Pfizer-BioNTech COVID-19 vaccine; M, Moderna COVID-19 vaccine; N, Novavax COVID-19 vaccine. Vaccination start date: AZ, 02/26/2021; Pf, 02/27/2021; J, 06/10/2021; M, 06/16/2021, N, 02/14/2022. Recommended for booster doses: people >18 years old who completed their primary doses. COVID-19, coronavirus disease 2019. Booster dose administered at least 6 months after completion of primary series. However, the interval had been changed to 4–5 months as of Nov. 22, 2021, and was changed to 3 months as of Dec. 13, 2021. A 2-month interval is recommended for people who received Janssen vaccine as a primary dose or immunocompromised people. People who received AZ vaccines as primary doses were recommended to receive mRNA vaccines (Pfizer or Moderna). People who received mRNA vaccines as primary doses were recommended to receive mRNA vaccines (Pfizer or Moderna). People who received Janssen vaccine as a primary dose were recommended to receive mRNA vaccines (Pfizer or Moderna). The Janssen booster dose was allowed for special occasions including prisoners. People 12–17 years of age were recommended (Pfizer or Moderna) only for high-risk groups such as immunocompromised people, and vaccination is recommended starting March 31, 2022. The COVID-19 vaccination rate as of June 4, 2022, was adapted from reference.<sup>22)</sup>