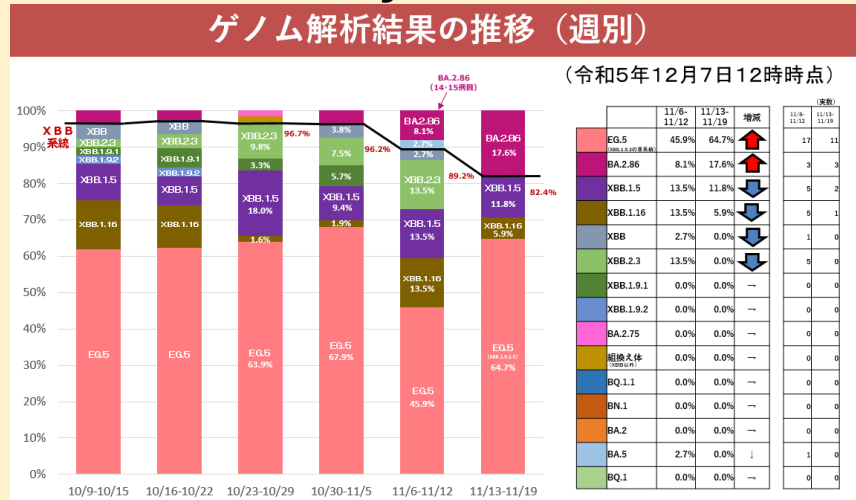


➤ Variants in Tokyo



- In Tokyo XBB is the main variant (82.4% of cases as of December 7)
- EG.5 represents the majority of all cases (64.7%)
- The XBB variant has a similar antigenicity (EG.5 and XBB.1.5 are also similar)

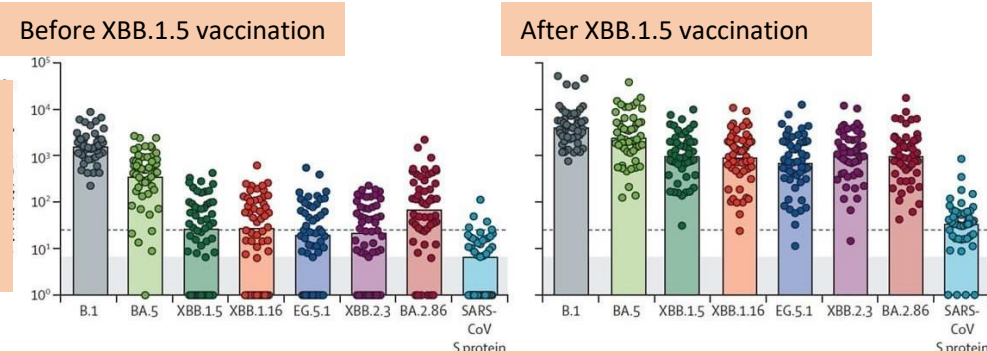
TMG monitoring categories (released December 7)

➤ Expert opinion from Tokyo iCDC's Prof. Miyasaka Masayuki*

(*Masayuki Miyasaka, Guest Professor, Immunology Frontier Research Center, Osaka University)

Would the current XBB.1.5 vaccine work against new variants?

50% neutralizing antibody titer of virus infectivity



XBB.1.5 vaccination has significantly increased neutralizing antibody titers against all new variants. In addition, the frequency of memory B cells increased and T cell activation was also observed.

→The XBB.1.5 vaccine is likely to work well as a booster shot.

Stankov MV et al, Lancet Infect Dis, Nov 20, 2023.

- The XBB.1.5 vaccine should work well against all XBB subvariants.
- The XBB.1.5 vaccine is strongly likely to be effective against EG.5, the main subvariant at the moment.
- Booster vaccinations also work to some extent to prevent infection, which should further prevent hospitalizations and deaths.