

**List of Medical Conditions for Which Persons are Considered Medically Vulnerable to Severe COVID-19**

The Expert Committee on COVID-19 Vaccination has recommended that medically vulnerable persons who are at higher risk of severe disease due to medical risk factors should receive a booster in year 2023, at an interval of one year after the last booster dose.

Persons aged 12 years and above with the following conditions are recommended to receive the booster dose in 2023:

1. Diabetes
2. Heart conditions such as heart failure, ischemic heart disease, cardiomyopathy
3. Chronic lung conditions, including severe asthma
4. Chronic liver conditions, including cirrhosis
5. Chronic kidney conditions, including dialysis
6. Chronic neurologic conditions, including stroke
7. Cancer on active treatment
8. Blood conditions such as thalassemia and sickle cell anemia
9. Immunodeficiencies, including HIV infection
10. Obesity (BMI  $\geq$  30)
11. Genetic or metabolic conditions, including Down's syndrome and cystic fibrosis
12. Persons on non-cancer immunosuppressive treatment
13. Pregnancy (any trimester)