

Comorbidities include:

- Respiratory compromise, including COPD, asthma and bronchiectasis
- Cardiovascular disease, including hypertension
- Obesity (BMI >30 kg/m²)
- Diabetes
- Renal failure
- Significant or complex disability



Immunocompromising conditions

Primary or acquired immunodeficiency:

- **Haematologic neoplasms:** leukaemias, lymphomas, myelodysplastic syndromes
- **Post-transplant:** solid organ (on immunosuppressive therapy), haematopoietic stem cell transplant (within 24 months)
- **Immunocompromised** due to primary or acquired (AIDS) immunodeficiency or Down syndrome

Immunosuppressive therapy (current or recent):

- **Chemotherapy**, whole body radiotherapy or total lymphoid irradiation
- **High-dose corticosteroids** (≥ 20 mg of prednisone per day, or equivalent) for ≥ 14 days
- **Selected other potent immunosuppressive therapies** (refer to [ATAGI advice](#))

VERSION 2.2
PUBLISHED 27 OCTOBER 2022

START HERE

- Immunocompromised
- Aboriginal and Torres Strait Islander people
- Non-Indigenous people

Note: The risk of developing severe illness is considered to be higher in Aboriginal and Torres Strait Islander people as a result of inequity arising from social determinants of health

Comorbidities	Vaccination / immune status	Adults with mild COVID-19 at highest risk of severe illness																			
		Age	18+	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95+		
with no comorbidity	vaccine dose or SARS-CoV-2 infection in past 6 months?	Yes	Highest risk of severe illness																		
	No	Lowest risk of severe illness																			
	with one or more comorbidities	Yes	Risk depends on context, frailty, extent of comorbidity and time since vaccination																		
		No	Risk depends on context, frailty, extent of comorbidity and time since vaccination																		
		with no comorbidity	Yes	Lowest risk of severe illness																	
			No	Lowest risk of severe illness																	
with one or more comorbidities	Yes	Risk depends on context, frailty, extent of comorbidity and time since vaccination																			
	No	Risk depends on context, frailty, extent of comorbidity and time since vaccination																			