

Annexure A

LEARNER RISK FACTORS FOR SEVERE COVID-19: COMORBIDITIES

The list of Comorbidities, Risk Factors and Definitions are:

Risk Factor	Detail	Definition
Cardiovascular Disease	Moderate/ Severe Hypertension	Moderate hypertension: systolic BP 160-179mmHg and/or diastolic BP 100-109 mmHg. Severe hypertension: systolic BP \geq 180 mmHg and/or diastolic BP \geq 110 mmHg.
	Congestive cardiac failure or other serious cardiovascular disease	Confirmed clinical diagnosis of congestive cardiac failure or other serious cardiovascular disease
	Cerebrovascular disease, including stroke and transient ischaemic attack	Confirmed clinical diagnosis of cerebrovascular disease.
Respiratory Disease	Pulmonary Tuberculosis – untreated or in early treatment	People who have not completed the intensive phase or first two months of treatment in line with the National Department of Health Standard Treatment Guidelines.
	Moderate to severe asthma	Asthma which requires treatment with high dose inhaled corticosteroids plus a second controller (and/or systemic corticosteroids) to prevent it from becoming 'uncontrolled' or which remains 'uncontrolled' despite this therapy.
	Chronic Obstructive Pulmonary Disease (COPD)	Confirmed clinical diagnosis of COPD
	Other severe chronic lung pathology, including cystic fibrosis and bronchiectasis	Confirmed clinical diagnosis – irrespective of severity.

Kidney Disease	Chronic Kidney Disease	eGFR < 45
Pregnancy	Third trimester pregnancy	Estimated to be further than week 27 of pregnancy
Immunosuppression	Poorly controlled type II Diabetes Mellitus	HBA1c ≥7.5% within last 6 months
	Cancer undergoing active treatment	Currently undergoing chemotherapy and/or radiotherapy
	Human Immunodeficiency Virus with advanced immunosuppression	HIV positive persons with CD4 count <200 cells/mm ³ who are ART-naïve or who initiated ART within last 3 months
	Chronic immunosuppressant use	Chronic use of corticosteroids of >20mg prednisone per day or equivalent, methotrexate, biologicals or other immunosuppressants.
	Transplant	On chronic immunosuppressants
Primary Immunodeficiencies	Diagnosed Primary Immunodeficiency	On chronic immuno-globulin treatment.
Metabolic syndrome	Severe obesity	Body mass index (MBI) of 40 and higher