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including, but not limited to, systemic lupus erythematosus, rheumatoid arthritis, inflammatory bowel disease, scleroderma and psoriasis.		
		including, but not limited to, systemic lupus erythematosus, rheumatoid arthritis, inflammatory bowel disease, scleroderma and psoriasis.

1 Poorly controlled asthma is defined as:

- \geq 2 courses of oral corticosteroids in the preceding 24 months OR

- on maintenance oral corticosteroids OR

- ≥1 hospital admission for asthma in the preceding 24 months https://www.brit-thoracic.org.uk/covid-19/covid-19-information-for-the-respiratory-community/#jcvi-adviceon-covid-19-booster-vaccination-for-adults-in-clinical-at-risk-groups-and-adults-with-asthma

COVID-19 -SARS-Cov-2

	Some immunosuppressed patients may have a suboptimal immunological response to the vaccine (see Immunosuppression and HIV).
Asplenia or dysfunction of the spleen	This also includes conditions that may lead to splenic dysfunction, such as homozygous sickle cell disease, thalassemia major and coeliac syndrome.
Morbid obesity	Adults with a Body Mass Index (BMI) \geq 40 kg/m ² .
Severe mental illness	Individuals with schizophrenia or bipolar disorder, or any mental illness that causes severe functional impairment.
Younger adults in long-stay nursing and residential care settings	Many younger adults in residential care settings will be eligible for vaccination because they fall into one of the clinical risk groups above (for example learning disabilities). Given the likely high risk of exposure in these settings, where a high proportion of the population would be considered eligible, vaccination of the whole resident population is recommended. Younger residents in care homes for the elderly will be at high risk of exposure, and although they may be at lower risk of mortality than older residents should not be excluded from vaccination programmes (see priority 1 above).
Pregnancy	All stages (first, second and third trimesters)

¹ Those clinically vulnerable to COVID-19 are defined by the JCVI priority groups: a) children of any age with severe neuro-disability, severe or profound and multiple learning disabilities (including Down's syndrome and those on the learning disability register) or immunosuppression (as defined in table 4), b) adults who have underlying health conditions leading to greater risk of disease or mortality as defined in table 3, c) those of advanced age.

Table 4: Clinical risk groups for individuals aged under 16 years

	groups for individuals aged under to years
Chronic respiratory disease	Including those with poorly controlled asthma ¹ that requires continuous or repeated use of systemic steroids or with previous exacerbations requiring hospital admission, cystic fibrosis, ciliary dyskinesias and bronchopulmonary dysplasia
Chronic heart conditions	Haemodynamically significant congenital and acquired heart disease, or less severe heart disease with other co-morbidity. This includes:
	• single ventricle patients or those palliated with a Fontan (Total Cavopulmonary Connection) circulation
	 those with chronic cyanosis (oxygen saturations <85% persistently)
	 patients with cardiomyopathy requiring medication
	 patients with congenital heart disease on medication to improve heart function
	 patients with pulmonary hypertension (high blood pressure in the lungs) requiring medication
Chronic conditions of the kidney, liver or digestive system	Including those associated with congenital malformations of the organs, metabolic disorders and neoplasms, and conditions such as severe gastro- oesophageal reflux that may predispose to respiratory infection
Chronic neurological disease	Conditions in which respiratory function may be compromised; this includes those with:
	 neuro-disability and/or neuromuscular disease that may occur as a result of conditions such as cerebral palsy, autism, epilepsy and muscular dystrophy hereditary and degenerative disease of the nervous system or muscles, other conditions associated with hypoventilation
	 severe or profound and multiple learning disabilities (PMLD), Down's syndrome, including all those on the learning disability register neoplasm of the brain
Endocrine disorders	Including diabetes mellitus, Addison's and hypopituitary syndrome
Immunosuppression	 Immunosuppression due to disease or treatment, including: those undergoing chemotherapy or radiotherapy, solid organ transplant recipients, bone marrow or stem cell transplant recipients
	 genetic disorders affecting the immune system (e.g. deficiencies of IRAK-4 or NEMO, complement disorder, SCID)
	those with haematological malignancy, including leukaemia and lymphoma
	• those receiving immunosuppressive or immunomodulating biological therapy
	 those treated with or likely to be treated with high or moderate dose corticosteroids
	• those receiving any dose of non-biological oral immune modulating drugs e.g. methotrexate, azathioprine, 6-mercaptopurine or mycophenolate
	 those with auto-immune diseases who may require long term immunosuppressive treatments
	Children who are about to receive planned immunosuppressive therapy should be considered for vaccination prior to commencing therapy.
Asplenia or dysfunction of the spleen	Including hereditary spherocytosis, homozygous sickle cell disease and thalassemia major
Serious genetic abnormalities that affect a number of systems	Including mitochondrial disease and chromosomal abnormalities
Pregnancy	All stages (first, second and third trimesters)

1 Poorly controlled asthma is defined as:

- \geq 2 courses of oral corticosteroids in the preceding 24 months OR
- on maintenance oral corticosteroids OR
- \geq 1 hospital admission for asthma in the preceding 24 months
- https://www.brit-thoracic.org.uk/covid-19/covid-19-information-for-the-respiratory-community/#jcvi-adviceon-covid-19-vaccination-for-children-aged-12-15-years-in-clinical-at-risk-groups)