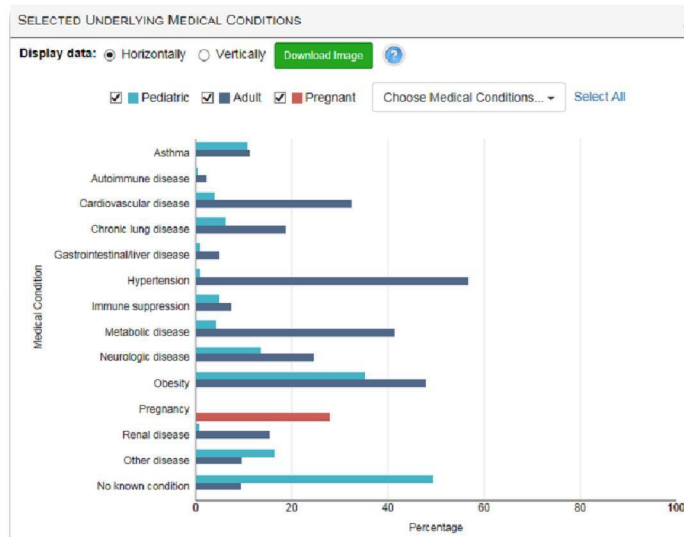
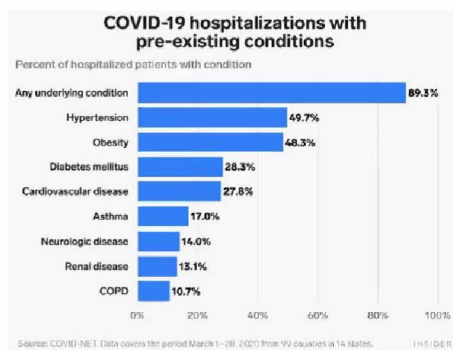
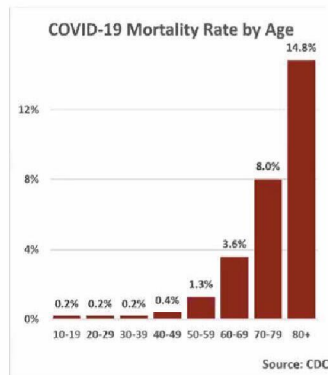


Addendum Definiering Risicogroepen



Bron CDC COVID –Net (USA data). <https://gis.cdc.gov/grasp/COVIDNet>



Bron CDC COVID –Net

Omschrijving Risicogroepen door CDC

“People of any age with **certain underlying medical conditions** are at increased risk for severe illness from COVID-19:

People of any age with the following conditions **are at increased risk** of severe illness from COVID-19:

- Cancer
- Chronic kidney disease
- COPD (chronic obstructive pulmonary disease)
- Immunocompromised state (weakened immune system) from solid organ transplant
- Obesity (body mass index [BMI] of 30 or higher)
- Serious heart conditions, such as heart failure, coronary artery disease, or cardiomyopathies
- Sickle cell disease
- Type 2 diabetes mellitus

COVID-19 is a new disease. Currently there are limited data and information about the impact of underlying medical conditions and whether they increase the risk for severe illness from COVID-19. Based on what we know at this time, people with the following conditions **might be at an increased risk** for severe illness from COVID-19:

- Asthma (moderate-to-severe)
- Cerebrovascular disease (affects blood vessels and blood supply to the brain)
- Cystic fibrosis
- Hypertension or high blood pressure
- Immunocompromised state (weakened immune system) from blood or bone marrow transplant, immune deficiencies, HIV, use of corticosteroids, or use of other immune weakening medicines
- Neurologic conditions, such as dementia
- Liver disease
- Pregnancy
- Pulmonary fibrosis (having damaged or scarred lung tissues)
- Smoking
- Thalassemia (a type of blood disorder)
- Type 1 diabetes mellitus”

Level of Evidence	Condition	Evidence of Impact on COVID-19 Severity	Notes
Strongest and Most Consistent Evidence	Serious heart conditions, such as heart failure, coronary artery disease, or cardiomyopathies	Cohort Study [1, 2] Meta Analyses [3, 4] Case Series [5]	On previous version of list as "Serious Heart Conditions"
	Cancer	Systematic Review [6] Cohort Study [7, 8] Case Series [9]	New to updated list as of July 17, 2020
	Chronic kidney disease	Case Series [10, 11, 12] Cohort Studies [13, 14, 15]	On previous version of list as "Chronic Kidney Disease Requiring Dialysis"
	COPD	Meta Analyses [4, 16] Case Series [17] Cohort Study [14]	On previous version of list
	Obesity (BMI ≥ 30)	Cohort Studies [18, 19, 20, 21, 22] Cross-sectional [23]	On previous version of list as "Severe Obesity (BMI ≥40)"
	Sickle cell disease	Case Series [24, 25, 26, 27, 28]	On previous version of list
	Solid organ transplantation	Case Series [12, 29, 30, 31, 32, 33, 34]	New to updated list as of June 25, 2020
	Type 2 diabetes mellitus	Case Series [11] Longitudinal Study [35] Cohort Study [36, 37] Meta Analysis [38]	On previous version of list
Mixed Evidence	Asthma	Cohort Study [14, 39, 40, 41] Case Series [17]	On previous version of list
	Cerebrovascular disease	Meta Analysis [42, 43, 44, 45] Synthesis of Evidence [46] Cohort Study [1, 2, 47, 48, 49]	New to updated list as of June 25, 2020
	Hypertension	Cohort Study [1, 2, 49, 50, 51] Systematic Review [52] Meta Analyses [3, 4, 53]	New to updated list as of June 25, 2020
	Pregnancy	Systematic Review [54] Case Control Study [55] Case Series [56, 57, 58, 59] Cohort Study [60, 61, 62]	
	Smoking	Meta Analyses [3, 63, 64, 65, 66]	On previous version of list
	Limited Evidence	Bone marrow transplantation	Review [72]
HIV	Case Series [73, 74]	On previous version of list	
Immune deficiencies	Case Series [75] Systematic Review [76]	On previous version of list	
Inherited metabolic disorders	Cohort Study [47, 77]	New to updated list as of June 25, 2020: specific to pediatric populations at this time	
Liver disease	Meta-Analysis [78] Cohort Study [79, 80] Literature Review [81]	On previous version of list	
Neurologic conditions	Cross-Sectional Study [82] Cohort Study [41, 49, 77]	New to updated list as of June 25, 2020: specific to pediatric populations at this time	
Other chronic lung diseases	Meta-Analysis [4] Case Series [17] Cohort Study [14, 83]	On previous version of list	
Pediatrics	Systematic Review [84, 85] Cross-Sectional Study [82, 86] Cohort Study [77, 87, 88]	New to updated list as of July 17, 2020	
Thalassemia	Case Series [89] Cross-Sectional Study [90]	On previous version of list	
Type 1 diabetes mellitus	Case Series [11] Cohort Study [36, 37] Meta-Analysis [38]	On previous version of list	

Omschrijving risicogroepen door UK

People at high risk (clinically extremely vulnerable)

People at high risk from coronavirus include people who:

- have had an organ transplant
- are having chemotherapy or antibody treatment for cancer, including immunotherapy
- are having an intense course of radiotherapy (radical radiotherapy) for lung cancer
- are having targeted cancer treatments that can affect the immune system (such as protein kinase inhibitors or PARP inhibitors)
- have blood or bone marrow cancer (such as leukaemia, lymphoma or myeloma)
- have had a bone marrow or stem cell transplant in the past 6 months, or are still taking immunosuppressant medicine
- have been told by a doctor they have a severe lung condition (such as cystic fibrosis, severe asthma or severe COPD)
- have a condition that means they have a very high risk of getting infections (such as SCID or sickle cell)
- are taking medicine that makes them much more likely to get infections (such as high doses of steroids or immunosuppressant medicine)
- have a serious heart condition and are pregnant

Information:

If you're at high risk from coronavirus, you should have received a letter from the NHS.

Speak to your GP or hospital care team if you have not been contacted and think you should have been.

What to do if you're at high risk

If you're at high risk from coronavirus, you were advised to take extra steps to protect yourself until 1 August 2020. This was called shielding.

In England, you're no longer advised to shield. But there are still things you can do to protect yourself and others. You can also still get some support.

See what to do if you're at high risk from coronavirus.

People at moderate risk (clinically vulnerable)

People at moderate risk from coronavirus include people who:

- are 70 or older
- have a lung condition that's not severe (such as asthma, COPD, emphysema or bronchitis)
- have heart disease (such as heart failure)
- have diabetes
- have chronic kidney disease

- have liver disease (such as hepatitis)
- have a condition affecting the brain or nerves (such as Parkinson's disease, motor neurone disease, multiple sclerosis or cerebral palsy)
- have a condition that means they have a high risk of getting infections
- are taking medicine that can affect the immune system (such as low doses of steroids)
- are very obese (a BMI of 40 or above)
- are pregnant – see advice about pregnancy and coronavirus

What to do if you're at moderate risk

If you're at moderate risk from coronavirus, you can go out to work (if you cannot work from home) and for things like getting food or exercising. But you should try to stay at home as much as possible.

It's very important you follow the general advice on [social distancing](#). This includes trying to stay at least 2 metres (3 steps) away from anyone you do not live with or anyone not in your support bubble.

[What is a support bubble?](#)

Europa/ECDC

3 Risk groups most affected

3.1 Preconditions: frequency distribution by severity

Show 20 entries

Search:

Precondition	Mild	Mild (%)	Hospitalised	Hospitalised (%)	Severe	Severe (%)	Fatal	Fatal (%)
None	44113	79.0	10475	41.1	1607	23	1567	12.5
Cardiac disorder, excluding hypertension	2213	4	5676	12	1424	19.3	2014	16
Diabetes	1645	3	5447	11.5	1342	18.2	1778	14.1
Chronic lung disease, excluding asthma	1636	3	2937	6.2	644	8.7	1158	9.2
Current smoking	1079	2	215	0.5	47	0.6	32	0.3
Hypertension	1031	1.9	4223	8.9	626	8.5	2311	18.4
Asthma	855	1.5	1482	3.1	259	3.5	542	4.3
Neuromuscular disorder, chronic neurological	766	1.4	1759	3.7	263	3.4	904	7.2
Cancer, malignancy	750	1.4	1922	4.1	312	4.2	674	5.4
Kidney-related condition, renal disease	318	0.6	1949	4.1	372	5	1022	8.1
HIV / other immune deficiency	299	0.5	764	1.6	157	2.1	229	1.8
other endocrine disorder (excl. Diabetes)	118	0.2	122	0.3	17	0.2	21	0.2
Obesity	100	0.2	324	0.7	48	0.6	18	0.1
Hematological disorders	78	0.1	319	0.7	40	0.5	80	0.6
Rheumatic diseases including arthritis	28	0.1	30	0.1	3	0	3	0
Asplenia	2	0	3	0	1	0	1	0
Tuberculosis	2	0	11	0	0	0	3	0
Total	55210	100	47407	100	7382	100	12578	100

BRON: ECDC

Referenties Risicogroepen

<https://covid19-surveillance-report.ecdc.europa.eu/>

<https://gis.cdc.gov/grasp/COVIDNet>

<https://www.nhs.uk/conditions/coronavirus-covid-19/people-at-higher-risk/whos-at-higher-risk-from-coronavirus/>

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