

**Appendix 1**

The metric was created using the July 2022 WHO recommendations (Figure 1 and 2), in order to quantify the strength of each country's guideline<sup>1</sup>.

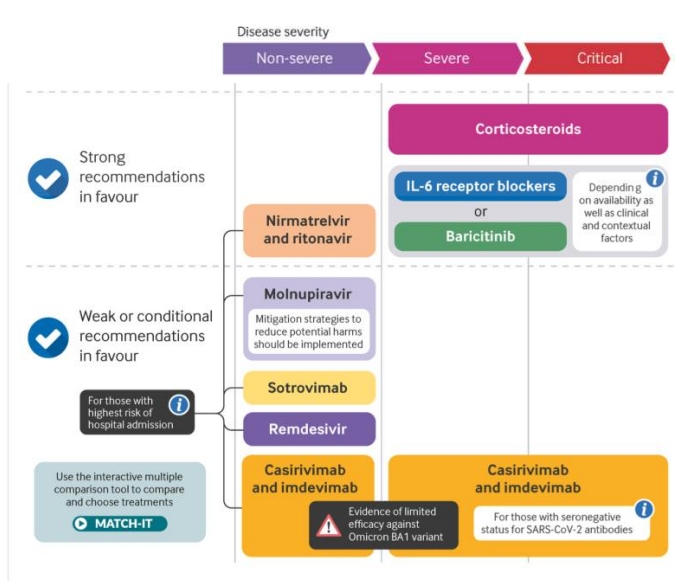


Figure 1: demonstrating WHO favoured recommendations.

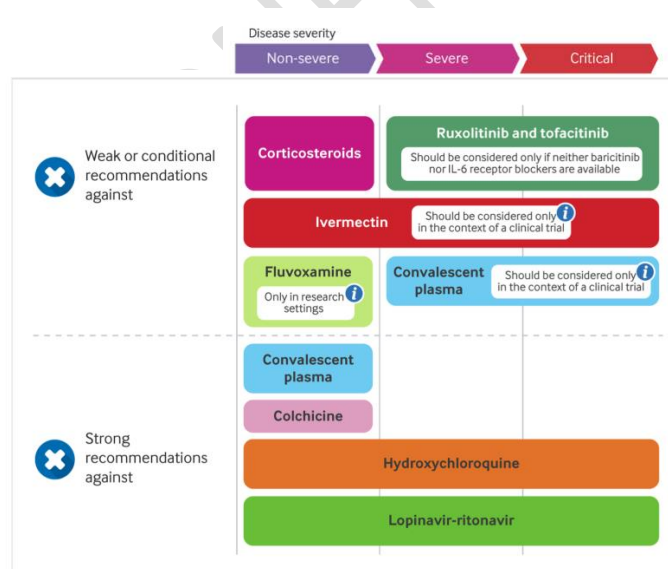


Figure 2: demonstrating the treatments the WHO recommends against.

A separate metric was created for non-severe guidelines and for severe/critical guidelines. Numeric weighting was given to various aspects of the guidelines. For both the non-severe and severe/critical metric, positive numeric weight was given for guidelines that assessed the strength of each recommendation, if it was updated in the last 6 months, or assessed efficacy, adverse effects or mentioned clinical trials. Negative numeric weight was given if extra recommendations were made outside the scope of the WHO guideline. These aspects of the guidelines were included in both the severe and non-severe metric. For severe/critical guidelines, -2 points were added for remdesivir, given the recent change in the WHO guidelines, recommending remdesivir for non-severe illness at high risk of deterioration. This was done to reflect the guidelines which had updated this change, and those which had not.

The amount of numeric weight given for each therapeutic recommendation was based on the strength of recommendation. For treatments strongly recommended for, +5 points was awarded; +3 point for weak or conditional recommendation for; -3 points for weak or conditional recommendation against, and -5 for strong recommendation against. Therefore, for non-severe recommendations, the metric value could range between 21 and -31. For severe/critical, the metric value could range between 17 and -23.

Commented [CC1]: Give an example of a certain country

#### Does the guideline:

Assesses the strength of recommendation:		+2	
Was updated in the last 6 months:		+1	
Recommendations for non-severe:		Recommendation for severe and critical:	
<i>Nirmatrelvir/ritonavir</i>	+5	<i>Corticosteroids</i>	+5
<i>Molnupiravir</i>	+3	<i>Tocilizumab, sarilumab OR baricitinib</i>	+5
<i>Sotrovimab</i>	+3	<i>Casirivimab/imdevimab for seronegative</i>	+3
<i>Remdesivir</i>	+3	<i>Tofacitinib or ruxolitinib if IL-6 or baricitinib</i>	-3
<i>Casirivimab/imdevimab</i>	+3	<i>already recommended</i>	-3
<i>Corticosteroids</i>	-3	<i>Ivermectin</i>	-3
<i>Ivermectin</i>	-3	<i>Convalescent plasma</i>	-3
<i>Fluvoxamine</i>	-3	<i>Hydroxychloroquine</i>	-5
<i>Convalescent plasma</i>	-5	<i>Lopinavir/ritonavir</i>	-5
<i>Colchicine</i>	-5	<i>Remdesivir</i>	-2
<i>Hydroxychloroquine</i>	-5		
<i>Lopinavir/ritonavir</i>	-5		
An extra one or more drug is recommended not on the WHO guidelines		-2	
Does the guideline assess efficacy, adverse effects or mention ongoing clinical trials?		+1	

Table 1: demonstrating the numeric weights

When the indication is unclear, but the guideline mentions a treatment, it is assumed that it is given to both non-severe and severe/critical, unless clearly given in an ambulatory setting.

Country	Non-severe modifiers	Severe modifiers	Non-severe positive treatments	Non-severe negative treatments	Severe positive treatments	Severe negative treatments	Total non-severe metric	Total severe/critical metric
Afghanistan	-1	-1	0	0	10	-12	-1	-3
Angola	4	2	0	0	10	0	4	12
Argentina	-1	1	11	0	10	0	10	11
Armenia	3	3	0	0	10	-2	3	11
Australia	2	4	14	0	10	-2	16	12
Azerbaijan	0	0	0	0	5	-2	0	3
Bahrain	0	0	6	0	10	-2	6	8
Bangladesh	0	0	14	0	10	0	14	10
Belgium	2	4	8	0	10	0	10	14
Benin	-2	0	3	-5	5	-5	-4	0
Bolivia	1	1	0	-5	5	0	-4	6
Bosnia and Herzegovina	-2	-2	3	0	10	-3	1	5
Brazil	4	4	5	0	10	0	9	14
Bulgaria	2	4	14	-3	10	-2	13	12
Burkina Faso	-1	-1	5	0	5	0	4	4
Burundi	-2	-2	0	-5	0	-5	-7	-7
Cambodia	-2	0	6	-11	10	-5	-7	5
Cameroon	-2	-2	0	0	5	0	-2	3
Chile	3	3	0	0	10	0	3	13
China	-2	-2	0	-10	10	0	-12	8
Colombia	4	4	0	0	5	0	4	9
Comoros	-2	-2	0	-5	5	-5	-7	-2
Croatia	-1	1	14	0	10	-2	13	9
Cuba	-2	-2	0	-10	5	-10	-12	-7
Czech Republic	-1	-1	14	0	10	-2	13	7
Democratic Republic of Congo	-1	-1	3	-16	10	-15	-14	-6
Denmark	4	4	17	0	10	0	21	14

Djibouti	0	0	0	0	0	-12	0	-12
Dominican Republic	-1	1	6	0	10	-2	5	9
Ecuador	1	1	0	-5	0	-10	-4	-9
El Salvador	0	0	3	-3	10	-2	0	8
Equatorial Guinea	-1	1	0	0	5	-2	-1	4
Ethiopia	1	1	8	0	10	0	9	11
France	2	4	11	0	10	0	13	14
Gabon	-1	-1	0	0	5	0	-1	4
Georgia	-1	1	11	0	13	-2	10	12
Germany	-1	-1	17	0	10	-2	16	7
Ghana	1	1	0	-5	10	-10	-4	1
Greece	-2	0	14	0	10	-2	12	8
Guatemala	-1	1	3	-6	10	0	-4	11
Guinea	-1	1	0	0	10	0	-1	11
Honduras	0	-2	0	-8	10	0	-8	8
Hungary	-1	-1	14	-5	10	-5	8	4
Iceland	1	1	9	0	10	-2	10	9
India	0	0	3	-3	10	-2	0	8
Indonesia	-1	-1	17	0	10	-2	16	7
Iran	1	1	3	0	10	-2	4	9
Ireland	4	4	8	0	10	0	12	14
Israel	0	0	11	0	0	0	11	0
Italy	-1	1	17	0	8	0	16	9
Japan	1	1	17	0	10	-2	18	9
Kenya	0	0	0	0	10	-2	0	8
Lao PDR	-2	-2	0	0	5	-2	-2	1
Latvia	1	1	0	0	5	-2	1	4
Lesotho	0	0	0	0	5	0	0	5
Libya	0	-2	0	0	10	-7	0	1
LITHUANIA	0	0	0	-5	5	-5	-5	0

Luxembourg	2	2	17	0	10	0	19	12
Madagascar	-2	-2	0	-5	10	-12	-7	-4
Malaysia	0	-2	14	0	13	-2	14	9
Mali	-2	-2	0	-10	5	-10	-12	-7
Malta	1	1	0	0	10	-2	1	9
Mexico	4	4	14	0	10	0	18	14
Montenegro	4	4	0	0	10	-2	4	12
Morocco	-1	-1	3	-5	10	0	-3	9
Myanmar	0	0	0	0	5	-2	0	3
Namibia	0	0	11	0	10	-3	11	7
NEPAL	4	4	0	0	10	-2	4	12
Netherlands	1	1	5	0	10	0	6	11
New Zealand	-1	1	14	0	10	-2	13	9
Niger	-2	0	0	-5	0	0	-7	0
Norway	3	3	0	0	0	0	3	3
Oman	2	2	0	-5	5	-7	-3	0
Pakistan	1	1	0	0	5	-2	1	4
Panama	1	1	0	0	5	-2	1	4
Papa New Guinea	0	0	0	0	5	0	0	5
Paraguay	-2	0	0	-8	10	-10	-10	0
Peru	4	4	0	0	10	0	4	14
Philippines	1	1	3	0	5	-10	4	-4
Poland	-1	-1	17	0	13	-2	16	10
Portugal	1	-1	14	0	10	-2	15	7
Republic of Korea	1	1	11	0	0	-2	12	-1
Republic of Moldova	0	-2	3	-5	10	-12	-2	-4
Russia	-1	-1	9	-8	13	-5	0	7
Rwanda	-2	-2	0	0	10	0	-2	8
Saudi Arabia	-1	1	8	0	10	-2	7	9
Serbia	-2	0	8	0	10	-2	6	8

Singapore	2	4	17	0	10	-5	19	9
Slovakia	2	4	3	0	0	0	5	4
Slovenia	1	1	0	0	10	-2	1	9
South Africa	3	3	0	0	10	0	3	13
Sri Lanka	0	0	0	0	10	0	0	10
Sudan	-1	1	0	0	5	0	-1	6
Sweden	-1	-1	11	0	10	0	10	9
Switzerland	1	1	8	0	10	0	9	11
Tajikistan.	0	-2	0	0	10	-2	0	6
Thailand	-1	-1	11	0	5	-2	10	2
Togo	-2	-2	0	-5	5	-5	-7	-2
TURKEY	-1	-1	0	0	10	-3	-1	6
Uganda	-2	0	0	0	5	0	-2	5
Ukraine	3	3	8	0	10	-2	11	11
United Arab Emirates	-1	-1	0	0	10	-2	-1	7
United Kingdom	4	4	17	0	10	-2	21	12
United Republic of Tanzania	-1	-1	0	-5	0	-5	-6	-6
United States of America	4	4	8	0	10	-2	12	12
Uruguay	1	1	0	-3	10	-3	-2	8
Vietnam	-2	0	14	0	10	-2	12	8
Zambia	1	1	0	-3	5	-2	-2	4
Zimbabwe	0	0	0	0	5	-2	0	3

**Table 2:** demonstrating the full breakdown of the metric calculation for each country, divided by positive indicators, negative indicators, and the modifying indicators (which include strength of recommendation, recency of update and the presence of additional drugs, as per Table 1).

References:

1. Organization WH. Countries. 2022. <https://www.who.int/countries/> (accessed February 15th 2022 2022).

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