

# THE LANCET Psychiatry

## Supplementary appendix

This appendix formed part of the original submission. We post it as supplied by the authors.

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**This online publication has been corrected. The corrected version first appeared at [thelancet.com/psychiatry](http://thelancet.com/psychiatry) on Feb 25, 2021.**

## Appendix

### 1. Methods for the screening of national vaccination strategies

We recruited a network of local informants (see Acknowledgements), chosen for their position in or connection with national psychiatric associations. Publicly available national vaccination strategy documents were collected and reviewed between January 14th and February 10<sup>th</sup> 2021 for 20 countries in the European region (Belgium, Czech republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Turkey, United Kingdom). All written records were screened for: a) key terms “psychiatr\*” and “mental” (or their local equivalents); b) priority policies for adult residents of long-term care facilities and/or individuals in residential treatment (excluding nursing homes for elderly); c) detailed lists of risk conditions with priority indication, if specified. All written records were validated by two independent researchers; disagreement was resolved through consensus. As local policy can divert from official national guidelines, informants were also asked to supply any additional information on the vaccination policy for patients with mental illness in their region or country.

### 2. List of country vaccination strategy source documents

Country	Source(s)	Last updated
Belgium	<a href="https://d34j62pglfm3rr.cloudfront.net/downloads/Note_TF_Strategy_Vaccination_NL_0312_post_press.pdf">https://d34j62pglfm3rr.cloudfront.net/downloads/Note_TF_Strategy_Vaccination_NL_0312_post_press.pdf</a> <a href="https://www.health.belgium.be/en/report-9618-prioritization-risk-groups-sars-cov-2-vaccination-phase-1b">https://www.health.belgium.be/en/report-9618-prioritization-risk-groups-sars-cov-2-vaccination-phase-1b</a>	Feb 5th, 2021
Czech Republic	<a href="https://covid.gov.cz/situace/ockovani">https://covid.gov.cz/situace/ockovani</a>	Jan 21st, 2021
Denmark	<a href="https://www.sst.dk/da/Udgivelser/2020/Personer-med-oeget-risiko-ved-COVID-19">https://www.sst.dk/da/Udgivelser/2020/Personer-med-oeget-risiko-ved-COVID-19</a> <a href="https://www.sst.dk/-/media/Udgivelser/2020/Corona/Oeget-risiko/Pjece-Personer-i-oeget-risiko---Fagligt-grundlag.ashx?la=da&amp;hash=E7CCE677FACE1651369B2B98074721FE11B35CF9">https://www.sst.dk/-/media/Udgivelser/2020/Corona/Oeget-risiko/Pjece-Personer-i-oeget-risiko---Fagligt-grundlag.ashx?la=da&amp;hash=E7CCE677FACE1651369B2B98074721FE11B35CF9</a>	Feb 10th, 2021
Finland	<a href="https://thl.fi/en/web/infectious-diseases-and-vaccinations/what-s-new/coronavirus-covid-19-latest-updates/transmission-and-protection-coronavirus/vaccines-and-coronavirus/vaccination-order-and-at-risk-groups-for-covid-19">https://thl.fi/en/web/infectious-diseases-and-vaccinations/what-s-new/coronavirus-covid-19-latest-updates/transmission-and-protection-coronavirus/vaccines-and-coronavirus/vaccination-order-and-at-risk-groups-for-covid-19</a>	Jan 13th, 2021
France	<a href="https://www.has-sante.fr/jcms/p_3178533/fr/vaccination-dans-le-cadre-de-la-covid-19#toc_1_1_2">https://www.has-sante.fr/jcms/p_3178533/fr/vaccination-dans-le-cadre-de-la-covid-19#toc_1_1_2</a>	Jan 22nd, 2021
Germany	<a href="https://www.rki.de/DE/Content/Infekt/EpidBull/Archiv/2021/Ausgaben/05_21.pdf">https://www.rki.de/DE/Content/Infekt/EpidBull/Archiv/2021/Ausgaben/05_21.pdf</a> <a href="https://www.bundesgesundheitsministerium.de/fileadmin/Dateien/3_Downloads/C/Coronavirus/Ve_rordnungen/CoronaImpfV_-_De_Buette.pdf">https://www.bundesgesundheitsministerium.de/fileadmin/Dateien/3_Downloads/C/Coronavirus/Ve_rordnungen/CoronaImpfV_-_De_Buette.pdf</a> <a href="https://www.bundesregierung.de/breg-de/aktuelles/corona-impfverordnung-1829940.pdf">https://www.bundesregierung.de/breg-de/aktuelles/corona-impfverordnung-1829940.pdf</a> <a href="https://www.bundesregierung.de/resource/blob/975226/1851894/e195f7a8ee3e463e5947c8254b6be1d5/2021-02-08-impfverordnung-neu-data.pdf?download=1">https://www.bundesregierung.de/resource/blob/975226/1851894/e195f7a8ee3e463e5947c8254b6be1d5/2021-02-08-impfverordnung-neu-data.pdf?download=1</a>	Feb 9th, 2021
Greece	<a href="https://emvolio.gov.gr/diadiakasia-emvoliasmou">https://emvolio.gov.gr/diadiakasia-emvoliasmou</a>	Jan 11th, 2021
Ireland	<a href="https://assets.gov.ie/108854/babc7d1b-cb10-49db-8dd0-0c7408dea162.pdf">https://assets.gov.ie/108854/babc7d1b-cb10-49db-8dd0-0c7408dea162.pdf</a> <a href="https://www.gov.ie/en/publication/39038-provisional-vaccine-allocation-groups/">https://www.gov.ie/en/publication/39038-provisional-vaccine-allocation-groups/</a>	Feb 3rd, 2021
Italy	<a href="https://info.vaccinocovid.gov.it/">https://info.vaccinocovid.gov.it/</a>	Dec 12th, 2020
Latvia	<a href="https://www.vm.gov.lv/lv/vakcinacija-pret-covid-19">https://www.vm.gov.lv/lv/vakcinacija-pret-covid-19</a>	Jan 13th, 2021
Malta	<a href="https://deputyprimeminister.gov.mt/en/health-promotion/covid-19/Pages/vaccines.aspx">https://deputyprimeminister.gov.mt/en/health-promotion/covid-19/Pages/vaccines.aspx</a>	N/A
Netherlands	<a href="https://www.rijksoverheid.nl/documenten/publicaties/2021/01/13/flowchart-vaccins">https://www.rijksoverheid.nl/documenten/publicaties/2021/01/13/flowchart-vaccins</a> <a href="https://www.rijksoverheid.nl/documenten/kamerstukken/2021/01/04/kamerbrief-over-covid-19-vaccinatiestrategie-update-stand-van-zaken">https://www.rijksoverheid.nl/documenten/kamerstukken/2021/01/04/kamerbrief-over-covid-19-vaccinatiestrategie-update-stand-van-zaken</a>	Jan 4th, 2021

Norway	<a href="https://www.fhi.no/sv/vaksine/koronavaksinasjonsprogrammet/hvem-kan-fa-koronavaksine/">https://www.fhi.no/sv/vaksine/koronavaksinasjonsprogrammet/hvem-kan-fa-koronavaksine/</a>	N/A
Poland	<a href="https://www.gov.pl/web/szczepimysie/narodowy-program-szczepien-przeciw-covid-19">https://www.gov.pl/web/szczepimysie/narodowy-program-szczepien-przeciw-covid-19</a>	Dec 8th, 2020
Portugal	<a href="https://www.sns.gov.pt/vacinacaocovid19/plano-de-vacinacao-covid-19/">https://www.sns.gov.pt/vacinacaocovid19/plano-de-vacinacao-covid-19/</a> <a href="https://covid19.min-saude.pt/vacinacao/?fbclid=IwAR2_scyjZmshrvGdfaQ7q3-QxhGaoW-jH0CWJnODpryT3iuBvSrChYIDSW18">https://covid19.min-saude.pt/vacinacao/?fbclid=IwAR2_scyjZmshrvGdfaQ7q3-QxhGaoW-jH0CWJnODpryT3iuBvSrChYIDSW18</a>	Jan 28th, 2021
Romania	<a href="https://vaccinare-covid.gov.ro/wp-content/uploads/2020/12/Strategia-vaccinare-02-12-2020-CL-FINAL-cu-COVID-19-tabel-2_CUPRINS-UPDATE-1.pdf">https://vaccinare-covid.gov.ro/wp-content/uploads/2020/12/Strategia-vaccinare-02-12-2020-CL-FINAL-cu-COVID-19-tabel-2_CUPRINS-UPDATE-1.pdf</a> <a href="https://vaccinare-covid.gov.ro/vaccinarea-sars-cov-2/procesul-de-vaccinare-in-romania/">https://vaccinare-covid.gov.ro/vaccinarea-sars-cov-2/procesul-de-vaccinare-in-romania/</a> <a href="https://vaccinare-covid.gov.ro/wp-content/uploads/2021/01/flyer.pdf">https://vaccinare-covid.gov.ro/wp-content/uploads/2021/01/flyer.pdf</a>	Jan x, 2021
Spain	<a href="https://www.msbs.gob.es/profesionales/saludPublica/prevPromocion/vacunaciones/covid19/docs/COVID-19_Actualizacion1_EstrategiaVacunacion.pdf">https://www.msbs.gob.es/profesionales/saludPublica/prevPromocion/vacunaciones/covid19/docs/COVID-19_Actualizacion1_EstrategiaVacunacion.pdf</a>	Dec 18th, 2020
Sweden	<a href="https://www.folkhalsomyndigheten.se/smittskydd-beredskap/utbrott/aktuella-utbrott/covid-19/vaccination-mot-covid-19/rekommendationer-for-vaccination-mot-covid-19/">https://www.folkhalsomyndigheten.se/smittskydd-beredskap/utbrott/aktuella-utbrott/covid-19/vaccination-mot-covid-19/rekommendationer-for-vaccination-mot-covid-19/</a>	Feb 5th, 2021
Turkey	<a href="https://covid19asi.saglik.gov.tr/TR-77707/covid-19-asisi-uygulanacak-kisiler.html">https://covid19asi.saglik.gov.tr/TR-77707/covid-19-asisi-uygulanacak-kisiler.html</a>	Jan 7th, 2021
United Kingdom	<a href="https://www.gov.uk/government/publications/priority-groups-for-coronavirus-covid-19-vaccination-advice-from-the-jcvi-30-december-2020/joint-committee-on-vaccination-and-immunisation-advice-on-priority-groups-for-covid-19-vaccination-30-december-2020">https://www.gov.uk/government/publications/priority-groups-for-coronavirus-covid-19-vaccination-advice-from-the-jcvi-30-december-2020/joint-committee-on-vaccination-and-immunisation-advice-on-priority-groups-for-covid-19-vaccination-30-december-2020</a>	Jan 6th, 2021

Abbreviations: N/A, Not available.

### 3. Author affiliations with organisations endorsing the manuscript

- *European College of Neuropsychopharmacology (ECNP)*: ML is ECNP Executive Committee member; LJDP, BV, IB, FB, MEB, AB, JCL, CMP, RT, PFP and ML are members of the ECNP Immunopsychiatry Thematic Working Group.

- *European Psychiatric Association (EPA)*: JB is EPA Executive Committee member; JB, MM and HK are EPA Board members; LDP and JB are members of EPA Committee on Education; MCD and ES are secretary and councillor of the EPA Section of Women, Gender and Mental Health.

- *European Federation of Associations of Families of People with Mental Illness (EUFAMI)*: MM is EUFAMI President;

- *Global Alliance of Mental Illness Advocacy Networks-Europe (GAMIAN-Europe)*: HK is GAMIAN-Europe President;

- *European Union of Medical Specialists Section of Psychiatry (UEMS-Psychiatry)*: MCD is UEMS-Psychiatry Vice-President for CME; ES is UEMS-Psychiatry representative of Psychiatric Association of Turkey.

**Table: Policies and risk comorbidities specified in national COVID-19 vaccination strategies**

Features of national COVID-19 vaccination strategies		Risk comorbidities selected for priority vaccination and their effect sizes (95%CI) for COVID-19 associated mortality risk †																					
		Cardiovascular			Metabolic			Cancer	Lung		Immune system		Other		Central nervous system								
	Mentions psychiatry / mental illness (<65y)	Priority for institutionalised persons (<65y)	List of risk comorbidities	Cardiac insufficiency	Coronary artery disease	Hypertension	Dia-betes mellitus	Obesity (BMI cut-off)	Chronic kidney disease	Chronic liver disease	Cancer	Asthma	Chronic pulmonary disease	Auto-immune disease	Immuno-compromised conditions (incl. asplenia)	Post-trans-plant	Sickle cell anemia / thalassemia	Down syndrome	Cerebro-vascular disease	Chronic neurological/muscular illness	Demen-tia	Intellec-tual disability	Severe mental illness
Country																							
Belgium	1	1	Y	1	1	1	1	1 (>30)	1	1	1	1	1	1	1	1	1	1	1	1	1		
Czech republic	0	1	Y	1	1	1	1 (>35)	1	1	1	1	1	1		1	1			1	1		1	
Denmark	1	1	Y	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1
Finland	0	1	Y	2					1	2	1		1	1	1	1							
France	1	1	Y	1	1	1	1 (>30)	1			1	1	1	1	1	1		1					
Germany	1	1	Y	2	2	2	1 (>30)	1	1	1	1	2	1	2	2	1	1	1	2	2	1	1	1
Greece	0	1	N																				
Ireland	0	1	Y	1	1	1	1 (>40)	1	1	1	1	1	1	1	1	1	1	1	1	1			
Italy*	0	0	N																				
Latvia	0	1	Y	1	1	2	1 (>30)	1	2	2	1	2	2	1	2	2	1	1					
Malta	1	1	N																				
Netherlands	1	1	Y	1	1		1			1				1	1	1						1	1
Norway	0	0	Y	2	2		2 (>35)	1	2	2	1	2	2	2	1	1		1	2	1	2		
Poland	0	1	Y	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1		
Portugal	0	1	Y	1	1	2	2 (>35)	1	2	2	2	1	1						1	1	1		
Romania	0	0	Y	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Spain	1	1	N																				
Sweden**	0	1	Y	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Turkey	0	1	N																				
UK	1	0	Y	2	2		2 (>35)	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2

**Legend:**

Risk comorbidities selected for priority vaccination: 1=highest priority risk comorbidities (tier 1); 2=priority risk comorbidities (tier 2).

Effect sizes for COVID-19 mortality in risk comorbidities were adapted from umbrella review by Robert Koch Institut for the German national vaccination strategy, (literature search performed Dec 11<sup>th</sup>, 2020, published Jan 29<sup>th</sup>, 2021).<sup>6</sup> Effect sizes are OR, adjusted for at least the age of the study participants, unless otherwise specified.

\*Two out of 20 Italian regions (Liguria and Veneto) are giving priority to residential care centers for people with disability and mental illness.

\*\*Besides ‘persons with a disease or condition involving an increase in risk’, Sweden also prioritises a broader group of ‘persons with a condition that involves difficulties in following advice on infectious disease control measures. This applies to people 18-59 years of age with dementia and cognitive or mental impairment. This also applies to people living in socially vulnerable situations.’

Abbreviations: NA=not available / not applicable; BMI=body mass index; Y=yes; N=no