Dear data custodian,

In this document you can find the recommended minimal dataset on COVID-19 vaccination, which is a list of variables that has been composed based on the COVID-19 vaccination mapping exercise, discussions with experts, and feedback of data partners of the Global Data Sharing Initiative (GDSI).

Individual data sources can voluntarily start incorporating these variables in order that collection of COVID-19 vaccination variables is more or less standardized. This offers future opportunities when data custodians of MS registries and cohorts would be interested in solving research questions related to COVID-19 vaccination in people with MS. Aligning data collection protocols as early as possible has proven to facilitate collaborative research.

Important note: as this data dictionary is just a recommendation, you are obviously free to decide to collect additional COVID-19 vaccination variables than those listed in this document.

In case you would have any questions, please contact Tina Parciak (tina.parciak@med.uni-goettingen.de) and/or Lotte Geys (lotte.geys@uhasselt.be).
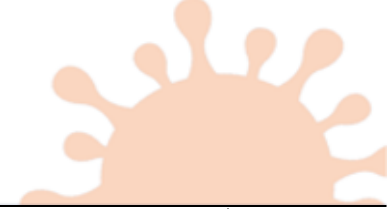
COVID-19 vaccination: recommended minimal dataset

Side information to the table:

- *Title: proposed question / guideline for the questionnaire in your MS Registry / initiative*
- *Variable_ID: variable identifier; name to uniquely identify the variable*
- *Data Type and Label (Value): the combination of these two defines how the data is preferably collected and transformed (format of the data) in order to facilitate collaborative efforts*

During the data acquisition the Variable ID and Labels aren't important yet, but if you would be willing to collaborate with other data custodians, it is recommended that the variable ID and Labels are identical.

Title	Variable_ID	Data Type (Label value)	Options Label (Value)
Vaccinated against COVID-19?	**covid19_vaccinated**	Single choice	YES (**yes**) NO (**no**)
Date of COVID-19 vaccination administration (first)	**covid19_vaccination_date1**	Date **(YYYY-MM-DD)**	
COVID-19 vaccine name/type/brand of first vaccination	**type_covid19_vaccine_1**	Single choice	COVID-19 Vaccine Moderna (**mRNA_1273**) Comirnaty/COVID-19 Vaccine Pfizer-BionTech (**mRNA_BNT162b2**) COVID-19 Vaccine AstraZeneca (**AZD1222**) COVID-19 Vaccine Janssen -Johnson & Johnson (**Ad26_COV2_S**) CureVac (**CVnCoV**) Gamaleya (**Sputnik_V**) Vector Institute (**EpiVacCorona**)

			Novavax (**NVX_CoV2373**)
			Sinopharm (**BBIBP_CorV**)
			Sinovac (**CoronaVac**)
			Bharat Biotech (**Covaxin**)
			CanSino (**Ad5_nCoV**)
			Serum Institute of India (**Covishield**)
			Other (**other**)
			Unknown (**unknown**)
If "other" COVID-19 vaccine name/type/brand (see above)	**type_covid19_vaccine_1_other**	Text	
Date of COVID-19 vaccination administration (second)	**covid19_vaccination_date2**	Date **(YYYY-MM-DD)**	
COVID-19 vaccine name/type/brand of second vaccination	**type_covid19_vaccine_2**	Single choice	COVID-19 Vaccine Moderna (**mRNA_1273**) Comirnaty/COVID-19 Vaccine Pfizer-BionTech (**mRNA_BNT162b2**)
			COVID-19 Vaccine AstraZeneca (**AZD1222**)
			COVID-19 Vaccine Janssen -Johnson & Johnson (**Ad26_COV2_S**)
			CureVac (**CVnCoV**)
			Gamaleya (**Sputnik_V**)
			Vector Institute (**EpiVacCorona**)
			Novavax (**NVX_CoV2373**)
			Sinopharm (**BBIBP_CorV**)

			Sinovac (**CoronaVac**)
			Bharat Biotech (**Covaxin**)
			CanSino (**Ad5_nCoV**)
			Serum Institute of India (**Covishield**)
			Other (**other**)
			Unknown (**unknown**)
If "other" COVID-19 vaccine name/type/brand (see above)	**type_covid19_vaccine_2_other**	Text	
Antibody test after vaccination?	**covid19_antibody_post_vaccine**	Single choice	Yes AB+ **(yes_ab_pos)**
			Yes AB- **(yes_ab_neg)**
			No **(no)**
Date of (last) antibody test	**covid19_antibody_post_vaccine_date**	Date **(YYYY-MM-DD)**	