

COVID-19 Analytical Database - Dimensional Design

Dimension

DATE		
PK	Key_D (surrogate key)	int
	Year	int
	Month	int
	Day	int
	Week_day	varchar
	Week_day_num	int

Dimension

COUNTRY		
PK	Key_C (surrogate key)	int
	iso_code	varchar
	country name	varchar
	continent	varchar
	location	varchar
	population	int
	population_density	int
	median_age	int
	aged_65_older	int
	aged_70_older	int
	gdp_per_capita	int
	extreme_poverty	int
	cardiovasc_death_rate	int
	diabetes_prevalence	int
	female_smokers	int
	male_smokers	int
	handwashing_facilities	int
	hospital_beds_per_thousand	int
	life_expectancy	int
	human_development_index	int

FACT		
FK	Key_D	
FK	Key_C	
	Vaccination	
	Tests & Positivity	
	Hospital & ICU	
	Confirmed Cases	
	Confirmed Deaths	
	Reproduction Rate	
	Policy Responses	

Policy Responses		
	stringency_index	int

Reproduction Rate		
	reproduction_rate	int

Vaccination		
	total_vaccinations	int
	people_vaccinated	int
	people_fully_vaccinated	int
	total_boosters	int
	new_vaccinations	int
	new_vaccinations_smoothed	int
	total_vaccinations_per_hundred	int
	people_vaccinated_per_hundred	int
	people_fully_vaccinated_per_hundred	int
	total_boosters_per_hundred	int
	new_vaccinations_smoothed_per_million	int
	new_people_vaccinated_smoothed	int
	new_people_vaccinated_smoothed_per_hundred	int

Excess Mortality		
	excess_mortality	int
	excess_mortality_cumulative	int
	excess_mortality_cumulative_absolute	int
	excess_mortality_cumulative_per_million	int

Confirmed Cases		
	total_cases	int
	new_cases	int
	new_cases_smoothed	int
	total_cases_per_million	int
	new_cases_per_million	int
	new_cases_smoothed_per_million	int

Confirmed Deaths		
	total_deaths	int
	new_deaths	int
	new_deaths_smoothed	int
	total_deaths_per_million	int
	new_deaths_per_million	int
	new_deaths_smoothed_per_million	int

Tests & Positivity		
	total_tests	int
	new_tests	int
	total_tests_per_thousand	int
	new_tests_per_thousand	int
	new_tests_smoothed	int
	new_tests_smoothed_per_thousand	int
	positive_rate	int
	tests_per_case	int
	tests_units	varchar

Hospital & ICU		
	icu_patients	int
	icu_patients_per_million	int
	hosp_patients	int
	hosp_patients_per_million	int
	weekly_icu_admissions	int
	weekly_icu_admissions_per_million	int
	weekly_hosp_admissions	int
	weekly_hosp_admissions_per_million	int