

COVID-19 Analytical Database - Dimensional Design

Dimension

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

Dimension

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

FACT

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

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

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

Excess Mortality

excess_mortality	int
excess_mortality_cumulative	int
excess_mortality_cumulative_absolute	int
excess_mortality_cumulative_per_million	int

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