

## Dimensions

Dimension name	Attribute name	Type	Domain	Sample value
case_dimension	Case key	Int	Positive numbers	1
	Name	Varchar	minimum length=1 and maximum length=100	Jason Wood
	Age	Int	[0,120]	29
	Gender	Varchar	[Male, Female]	Male
	test_positive_date	Int	Date key in date dimension	1
	travel_related	Boolean	[True, False] optional	FALSE
	test_facility_key	Int	Testing facility dimension key	32
	Cure	Boolean	True or false	TRUE
Testing facility dimension	Testing facility key	Int	Positive numbers	1
	name_of_facility	Varchar	100	The Ottawa Hospital
	Type	Varchar	minimum length=1 and maximum length=100	Hospital
	Availability	Boolean	[True, False]	True
	Address	Varchar	minimum length=1 and maximum length=100	27 George Street
Date dimension	Date key	Int	Positive numbers	1
	Day	Int	[1,31]	1
	Month	Int	[1,12]	12
	Year	Int	>2020	2020
	Events	Varchar	minimum length=1 and maximum length=100	Canada Day
lockdown_measure_dimension	lockdown_measure_key	Int	Positive numbers	1
	stay_at_home	Boolean	[True, False]	FALSE
	school_closure	Boolean	[True, False]	FALSE
	government-announcements	Boolean	[True, False]	FALSE
	start_date_key (FK)	Int	date_dimension key	24
	end_date_key (FK)	Int	date_dimension key	45
	description_of_measure	varchar	optional	Work from home

Weather condition dimension	weather_key	Int	Positive numbers	1
	Season	Varchar	[Spring, Summer, Autumn, Winter]	spring
	highest_temperature	Int	Lower than 100, higher than -100	10
	lowest_temperature	Int	Lower than 100, higher than -100	-15
	Temperature_unit	varchar	Fahrenheit or Celsius	Celsius
	weather_condition	varchar	Minimum length = 1	Sunny
lifestyle_dimension	lifestyle_key	Int	Positive numbers	1
	most_visited_place	Varchar	minimum length=1 and maximum length=100	Supermarket
	Duration	int	Greater than 0	10
	duration_unit	varchar	Minimum length = 1	Day
	daily_travel_method	Archer	Minimum length = 1	Drive
	cooking_or_takeaway	Archer	Cooking or takeaway	Cooking

## Fact table

	Attribute name	Type	Domain	Sample value
Covid-19_tracking_and_lifestyle_trends_fact_table	case_key (PFK)	Int	case_dimension key	213
	testing_facility_key (PFK)	Int	testing_facility_dimension key	34
	lifestyle_key (PFK)	Int	lifestyle_dimension key	12
	date_key (PFK)	Int	date_dimension key	1
	lockdown_measure_key (PFK)	Int	lockdown_measure key	23
	weather_key (PFK)	Int	weather_dimension key	45
	daily_total_new_reported_case	Int	Greater than 0	100
	total_positive_case	Int	Greater or equal to 0	10000

