# Covid SQL Data Analysis

### **India COVID Situation**

```
1. Total Deaths till 2024 in India Due to Covid
select location,SUM(cast(total_deaths as bigint)) AS Total_deaths
from coviddeaths
where location = 'India'
group by location;
     location Total_deaths
            547014827
     India
2. Total % Loss of Population in India
       CAST(SUM(CAST(total deaths as bigint))*100.00/SUM(CAST(population as bigint)) AS decimal
       (10,4)) AS PCT Loss
from coviddeaths
where location = 'India'
group by location;
     location
            PCT_Loss
     India
            0.0255
1
3. Total Percentage Infected in India
select location.
       CAST(sum(cast(total cases as bigint))*100.00/SUM(population) as decimal (10,2)) as
PCT Infected
from coviddeaths
where location = 'India'
group by location
            PCT_Infected
     location
     India
            2.07
4. Total Cases, Total Deaths & Death Percentage against cases in India yearly
select year(date) as Year,
       location,
       sum(population) as Total_Population,
       sum(cast(total_cases as bigint)) As Total_Cases,
       sum(cast(total_deaths as bigint)) as Total_Deaths,
       cast(sum(cast(total_deaths as bigint))*100.00/sum(cast(total_cases as bigint)) AS
       DECIMAL(10,2))AS DeathPercentage
from coviddeaths
where location = 'India'
group by year(date), location
order by year(date) desc; order by year(date) desc;
                 Total_Population
                               Total_Cases
                                          Total_Deaths
                                                     DeathPercentage
          location
     Year
     2024
                  82196040960
          India
                               2206101148
                                          26137845
                                                     1.18
2
     2023
          India
                  517268188800
                               16389526791
                                          194117430
                                                     1.18
     2022
          India
                  517268188800
                               15754923052
                                          190088017
                                                     1.21
     2021
          India
                  517268188800
                               9118579303
                                          120086370
                                                     1.32
     2020
                  513016669440
                               1044159443
                                          16585165
5
         India
                                                     1.59
5. Percentage Loss of Life in India by World
select 'India' as location,
       (select SUM(population) from coviddeaths where location = 'India') as Total_India_Deaths,
       (select SUM(population) from coviddeaths where location = 'World') as Total_world_Deaths,
       cast((select SUM(population) from coviddeaths where location = 'India')*100.00/
            (select SUM(population) from coviddeaths where location = 'world') as decimal (10,2)) as
Percentage_Deaths_In_India;
            location
            2147017276800
                           12082284111360
                                           17.77
     India
```

```
6. Infection rate against Population over the Year in India
select location,
              year(date) as Year,
              population,
              sum(cast(total_cases as bigint)) as Total_Cases,
              CAST(sum(cast(total_cases as bigint))*100.00/SUM(population) as decimal (10,2)) as
              Infection_Rate
from coviddeaths
where location = 'India'
group by location, population, year(date);
                            Total_Cases
                                       Infection_Rate
     location
            Year population
            2024 1417173120 2206101148
                                      2.68
1
     India
            2020 1417173120 1044159443 0.20
2
     India
```

## **WORLD COVID Situation**

1. Total Deaths in World during Covid select sum(total\_deaths) AS Total\_Deaths from coviddeaths where continent is not null;

2021 1417173120 9118579303 1.76

2022 1417173120 15754923052 3.05

2023 1417173120 16389526791 3.17

Total\_Deaths
1 6825958399

3

4

5

India India

India

2.Looking at the Highest Infection Rate compared to population select location, population,

Max(total\_cases) as Highest\_Infection\_Count, Max((total\_cases\*100.0/population)) as PCT\_POP\_INFC from coviddeaths

soon on

Group by location, population order by PCT\_POP\_INFC DESC;

	location	population	Highest_Infection_Count	PCT_POP_INFC
1	Brunei	449002	343199	76.435962423329962895488
2	Cyprus	896007	681110	76.016147195278608314443
3	San Marino	33690	25292	75.072721875927574948055
4	Austria	8939617	6081287	68.026258843080190124476
5	South Korea	51815808	34571873	66.720706159788148049336
6	Faeroe Islands	53117	34658	65.248413878795865730368
7	Slovenia	2119843	1355698	63.952754991761182313973
8	Gibraltar	32677	20550	62.888270037029103038834
9	Martinique	367512	230354	62.679313872744291342867
10	Luxembourg	647601	391093	60.391043250396463254380
11	Andorra	79843	48015	60.136768408000701376451
12	Jersey	110796	66391	59.921838333513845265172
13	Denmark	5882259	3434162	58 381686355531097831632

3.Showing the Top 10 Highest Death Count Per Population
select top 10 location, Max(total\_deaths) as Total\_Death\_Count
from coviddeaths
where continent is not null
Group by location
Order by Total\_Death\_Count desc;

	location	Total_Death_Count
1	United States	1174676
2	Brazil	702116
3	India	533472
4	Russia	402097
5	Mexico	334958
6	United Kingdom	232112
7	Peru	221583
8	Italy	196495
9	Germany	174979
10	France	167985

# 4. Total Death in Each Continent select location, Max(total\_deaths) as Total\_Death\_Count from coviddeaths where continent is null group by location order by Total\_Death\_Count Desc;

	location	Total_Death_Count
1	Europe	2098323
2	North America	1651943
3	Asia	1636648
4	South America	1353468
5	European Union	1259953
6	Africa	259084
7	Oceania	31911

```
5. Looking at Total Population Vs vaccination
```

#### **USE CTE**

# Temp Table Drop TABLE IF Exists PCTPOPVAC

from PCTPOPVAC;

create table PCTPOPVAC

### creating view