

## Code for CovidStats

### Covid\_deaths query

```
--Select the data we will be using
SELECT location, date, total_cases, new_cases, total_deaths, population
FROM covid_deaths.covid_deaths
WHERE continent IS NOT NULL
ORDER BY 1, 2
;

--Compare total cases to total deaths
--Shows rate of death by Covid in this country
SELECT location, date, total_cases, total_deaths, (total_deaths/total_cases)*100 AS
DeathPercentage
FROM covid_deaths.covid_deaths
--WHERE location = 'United States'
WHERE continent IS NOT NULL
ORDER BY 1, 2
;

--Look at total cases vs population
--Shows what percentage of population got infected
SELECT location, date, total_cases, population, (total_cases/population)*100 AS
InfectionPercentage
FROM covid_deaths.covid_deaths
--WHERE location = 'United States'
WHERE continent IS NOT NULL
;

SELECT location, date, total_cases, population, (total_cases/population)*100 AS
InfectionPercentage
FROM covid_deaths.covid_deaths
WHERE location = 'United States'
;

--Look at countries with highest infection rate by population
SELECT location, population, MAX(total_cases) AS HighestInfectionCount,
MAX((total_cases/population))*100 AS InfectionPercentage
FROM covid_deaths.covid_deaths
--WHERE location = 'United States'
WHERE continent IS NOT NULL
GROUP BY location, population
ORDER BY InfectionPercentage DESC
;
```

```

--Countries with highest death rate
SELECT location, MAX(cast(total_deaths AS INT)) AS TotalDeathCount,
FROM covid_deaths.covid_deaths
--WHERE location LIKE '%states%'
WHERE continent IS NOT NULL
GROUP BY location
ORDER BY TotalDeathCount DESC
;

--Break it down by continent
--Showing continents with highest death count per population
SELECT continent, MAX(cast(total_deaths AS INT)) AS TotalDeathCount,
FROM covid_deaths.covid_deaths
--WHERE location LIKE '%states%'
WHERE continent IS NOT NULL
GROUP BY continent
ORDER BY TotalDeathCount DESC
;

--Global Numbers
SELECT date, SUM(new_cases) AS totalcases, SUM(new_deaths) AS totaldeaths,
SUM(new_deaths)/SUM(new_cases)*100 AS DeathPercentage--, total_cases, total_deaths
FROM covid_deaths.covid_deaths
--WHERE location LIKE '%states%'
WHERE continent IS NOT NULL
GROUP BY date
ORDER BY 1, 2
;

```

## Covid\_vaccinations query

```

--Let's view our Covid vaccinations dataset
SELECT *
FROM `covid_deaths.covid_vaccinations`
;

--Join the two datasets
SELECT *
FROM `covid_deaths.covid_deaths` dea
JOIN covid_deaths.covid_vaccinations vacc
ON dea.location = vacc.location
AND dea.date = vacc.date
;

--Total population vs vaccinations

```

```
SELECT dea.continent, dea.location, dea.date, dea.population, vacc.new_vaccinations,  
SUM(vacc.new_vaccinations) OVER (PARTITION BY dea.location ORDER BY dea.location,  
dea.date) AS RollingVaccCount  
FROM `covid_deaths.covid_deaths` dea  
JOIN covid_deaths.covid_vaccinations vacc  
ON dea.location = vacc.location  
AND dea.date = vacc.date  
WHERE dea.continent IS NOT NULL  
ORDER BY 2, 3  
;
```