

แสดงเปอร์เซ็นต์การตาย

```
SELECT location, date , population , total_deaths, (total_deaths/population)*100 AS DeathPercentage  
From CovidDeath
```

	location	date	population	total_deaths	DeathPercentage
99820	Thailand	2021-08-10 00:00:00.000	69799978	6588	0.00943839839032614
99821	Thailand	2021-08-11 00:00:00.000	69799978	6795	0.00973496008838284
99822	Thailand	2021-08-12 00:00:00.000	69799978	6942	0.00994556187395933
99823	Thailand	2021-08-13 00:00:00.000	69799978	7126	0.0102091722722319
99824	Thailand	2021-08-14 00:00:00.000	69799978	7343	0.0105200606223687
99825	Thailand	2021-08-15 00:00:00.000	69799978	7552	0.0108194876508414
99826	Thailand	2021-08-16 00:00:00.000	69799978	7734	0.011080232718698
99827	Thailand	2021-08-17 00:00:00.000	69799978	7973	0.0114226397034108
99828	Thailand	2021-08-18 00:00:00.000	69799978	8285	0.0118696312483078
99829	Thailand	2021-08-19 00:00:00.000	69799978	8586	0.0123008634759169
99830	Thailand	2021-08-20 00:00:00.000	69799978	8826	0.0126447031258377

แสดงเปอร์เซ็นต์การติดเชื้อ

```
SELECT location, date , population , total_cases, (total_cases/population)*100 AS GotcovidPercentage  
From CovidDeath  
order by location, date
```

	location	date	population	total_cases	GotcovidPercentage
99820	Thailand	2021-08-10 00:00:00.000	69799978	795951	1.14033130497548
99821	Thailand	2021-08-11 00:00:00.000	69799978	816989	1.17047171562146
99822	Thailand	2021-08-12 00:00:00.000	69799978	839771	1.20311069439019
99823	Thailand	2021-08-13 00:00:00.000	69799978	863189	1.23666084823121
99824	Thailand	2021-08-14 00:00:00.000	69799978	885275	1.26830269201518
99825	Thailand	2021-08-15 00:00:00.000	69799978	907157	1.2996522720967
99826	Thailand	2021-08-16 00:00:00.000	69799978	928314	1.32996316990243
99827	Thailand	2021-08-17 00:00:00.000	69799978	948442	1.35879985520912
99828	Thailand	2021-08-18 00:00:00.000	69799978	968957	1.38819098195131
99829	Thailand	2021-08-19 00:00:00.000	69799978	989859	1.418136550129
99830	Thailand	2021-08-20 00:00:00.000	69799978	1009710	1.44657638717307

ဘေးရာဇ်ကလေးနဲ့ ခေါ်ဆိုတဲ့ ကိစ္စတွေ

```
SELECT location , population, MAX(total_cases) AS HighestCases, MAX((total_cases/population)*100) AS GotcovidPercentage
From CovidDeath
group by location, population
order by GotcovidPercentage desc
```

	location	population	HighestCases	GotcovidPercentage
1	Seychelles	98340	19390	19.7173073011999
2	Andorra	77265	14988	19.3981751116288
3	Montenegro	628062	108742	17.3138957618834
4	Bahrain	1701583	271432	15.9517343555971
5	Czechia	10708982	1677204	15.6616567289029
6	San Marino	33938	5231	15.4134009075373
7	Maldives	540542	79754	14.7544501629846
8	Georgia	3989175	506040	12.6853296734287
9	Slovenia	2078932	262904	12.6461086750312
10	Cyprus	888005	110829	12.4806729691837

ဘေးရာဇ်ကလေးနဲ့ ခေါ်ဆိုတဲ့ ကိစ္စတွေ

```
SELECT location , population, MAX(total_deaths) AS DeathCount, MAX(total_deaths/population)*100 AS DeathPercent
From CovidDeath
group by location, population
order by DeathPercent desc
```

	location	population	DeathCount	DeathPercent
1	Peru	32971846	197752	0.599760171147227
2	Hungary	9660350	30046	0.311023927704483
3	Bosnia and Herzegovina	3280815	9722	0.296328808542999
4	Czechia	10708982	30384	0.283724447384448
5	North Macedonia	2083380	5632	0.270329944609241
6	Brazil	212559409	573511	0.269812097567509
7	Bulgaria	6948445	18459	0.265656560568588
8	San Marino	33938	90	0.265189463138665
9	Montenegro	628062	1663	0.26478277622273
10	South America	430759772	1118852	0.259739203316321

ဘေးရာဇ်ကလေးနဲ့ ခေါ်ဆိုတဲ့ ကိစ္စတွေ

```
--highest death count of country
SELECT location , MAX(total_deaths) AS DeathCount
From CovidDeath
group by location
HAVING location <>'World' AND location <>'Europe' AND location <>'South America' AND location <>'Asia'
AND location <>'North America' AND location <>'European Union'
order by DeathCount desc
```

	location	DeathCount
1	United States	627843
2	Brazil	573511
3	India	433964
4	Mexico	252080
5	Peru	197752
6	Africa	187874
7	Russia	171480
8	United Kingdom	131805
9	Italy	128683
10	Colombia	124023

แสดง/กราฟให้ วิเคราะห์ผล ได้ดัง นี้

```
--highest got covid count of country
SELECT location , MAX(total_cases) AS CovidCount
From CovidDeath
group by location
HAVING location <>'World' AND location <>'Europe' AND location <>'South America' AND location <>'Asia'
AND location <>'North America' AND location <>'European Union'
order by CovidCount desc
```

	location	CovidCount
1	United States	37613597
2	India	32393286
3	Brazil	20528099
4	Africa	7449639
5	France	6660315
6	Russia	6613107
7	United Kingdom	6459643
8	Turkey	6177660
9	Argentina	5124963
10	Colombia	4883932

မဲဆန္ဒနယ်ကို အမြင့်ဆုံး သေဆုံးမှု

--highest death count of conntaint

```
SELECT continent , MAX(total_deaths) AS DeathCount
From CovidDeath
where continent is not NULL
group by continent
order by DeathCount desc
```

	continent	DeathCount
1	North America	627843
2	South America	573511
3	Asia	433964
4	Europe	171480
5	Africa	78983
6	Oceania	978

မဲဆန္ဒနယ်၏ Covid မြေပုံ - သေဆုံးမှု ၂၀၂၀ ခုနှစ်

--cases covid and death per day from entire world

```
SELECT date, SUM(new_cases) AS total_Cases, SUM(new_deaths) As Total_Deaths
FROM CovidDeath
group by date
order by date
```

	date	total_Cases	Total_Deaths
109	2020-04-18 00:00:00.000	247348	20588
110	2020-04-19 00:00:00.000	249273	17947
111	2020-04-20 00:00:00.000	239634	20264
112	2020-04-21 00:00:00.000	242820	24568
113	2020-04-22 00:00:00.000	260950	23573
114	2020-04-23 00:00:00.000	266522	23366

JOIN TABLE

--join CovidDeath table and CovidVaccinations table

SELECT *

FROM CovidDeath AS CD

JOIN CovidVaccinations AS CV

On CD.date = CV.date and CD.location = CV.location

Order by CD.location,CD.date

แสดงข้อมูลการฉีดวัคซีน
✓ = วัคซีนที่ฉีด

--show population vs vaccinations per country and day

SELECT CD.continent, CD.location,CD.date ,CD.population , CV.new_vaccinations

FROM CovidDeath AS CD

JOIN CovidVaccinations AS CV

On CD.location = CV.location AND CD.date = CV.date

Where CD.continent is not NULL

Order by 2,3

continent	location	date	population	new_vaccinations
Asia	Thailand	2021-07-29 00:00:00.000	69799978	420148
Asia	Thailand	2021-07-30 00:00:00.000	69799978	480155
Asia	Thailand	2021-07-31 00:00:00.000	69799978	194342
Asia	Thailand	2021-08-01 00:00:00.000	69799978	180552
Asia	Thailand	2021-08-02 00:00:00.000	69799978	332299
Asia	Thailand	2021-08-03 00:00:00.000	69799978	379271
Asia	Thailand	2021-08-04 00:00:00.000	69799978	383607
Asia	Thailand	2021-08-05 00:00:00.000	69799978	670834
Asia	Thailand	2021-08-06 00:00:00.000	69799978	647571
Asia	Thailand	2021-08-07 00:00:00.000	69799978	198527
Asia	Thailand	2021-08-08 00:00:00.000	69799978	191145

แสดงจำนวนการฉีดวัคซีน
✓ = วัคซีนที่ฉีด

--show population vs vaccinations per country and day

SELECT CD.continent, CD.location,CD.date ,CD.population , CV.new_vaccinations,
SUM(new_vaccinations) OVER (Partition by CD.location order by CD.date)

FROM CovidDeath AS CD

JOIN CovidVaccinations AS CV

On CD.location = CV.location AND CD.date = CV.date

Where CD.continent is not NULL

Order by 2,3

continent	location	date	population	new_vaccinations	CumulativePeopleVaccination
Asia	Thailand	2021-04-02 00:00:00.000	69799978	27240	34183
Asia	Thailand	2021-04-03 00:00:00.000	69799978	12372	46555
Asia	Thailand	2021-04-04 00:00:00.000	69799978	13230	59785
Asia	Thailand	2021-04-05 00:00:00.000	69799978	37397	97182
Asia	Thailand	2021-04-06 00:00:00.000	69799978	29108	126290
Asia	Thailand	2021-04-07 00:00:00.000	69799978	67763	194053
Asia	Thailand	2021-04-08 00:00:00.000	69799978	74622	268675
Asia	Thailand	2021-04-09 00:00:00.000	69799978	71006	339681
Asia	Thailand	2021-04-10 00:00:00.000	69799978	18016	357697

แสดง % ของวัคซีนที่ฉีดให้ประชากร
วัน วัคซีนให้ 2 คนต่อวัน - 4 คน ต่อวัน

```
--show cumulative people Vaccination and percent vaccination per day
With vac(continent, location , date , population, vaccination , CumulativePeopleVaccination)
as(
SELECT CD.continent, CD.location, CD.date , CD.population , CV.new_vaccinations,
       SUM(new_vaccinations) OVER (Partition by CD.location order by CD.date) AS CumulativePeopleVaccination

FROM CovidDeath AS CD
JOIN CovidVaccinations AS CV
On CD.location = CV.location AND CD.date = CV.date
Where CD.continent is not NULL
--Order by 2,3
)
SELECT *, (CumulativePeopleVaccination/population)*100 AS CumulativeVaccinePercent
FROM vac
Order by location , date
```


