

# DATA ANALYSIS

## AIN SHAMS UNIVERSITY

S H A I M A A   M O H A M E D  
A Y A   A H M E D  
R A N A   A H M E D



CORONA  
DATA WORLD



# CORONA DATA WORLD

The corona virus dataset consists of 11 columns

, and 217 rows after performing transformation process.

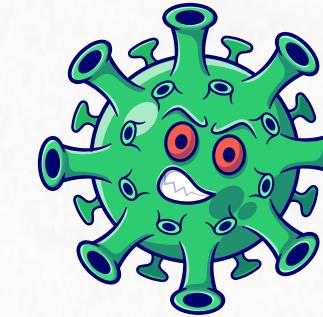
**Total Cases / 1M Population:** The total number of COVID-19 cases reported per 1 million population in each country.

**Deaths / 1M Population:** The total number of COVID-19-related deaths reported per 1 million population in each country.

**Tests / 1M Population:** The total number of COVID-19 tests conducted per 1 million population in each country.



# CONTINUE DATA DESCRIPTON



**Total Recovered:** The total number of individuals who have recovered from COVID-19 in each country.

**Serious / Critical Condition:** The number of COVID-19 cases considered to be in a serious or critical condition, which may require intensive medical care.

These metrics helps to standardize and compare the infection rates among different countries with varying population sizes.

# PROJECT GOAL

## Goal in Business

we track the impact of the pandemic across our publication. We try to make interactive visualizations, explanations of the presented metrics, and the details on the sources of the data.

The ultimate aim is to support the organization in making informed decisions and adapting to the changing business landscape during the COVID-19 pandemic.



# APPLY ETL PROCESS

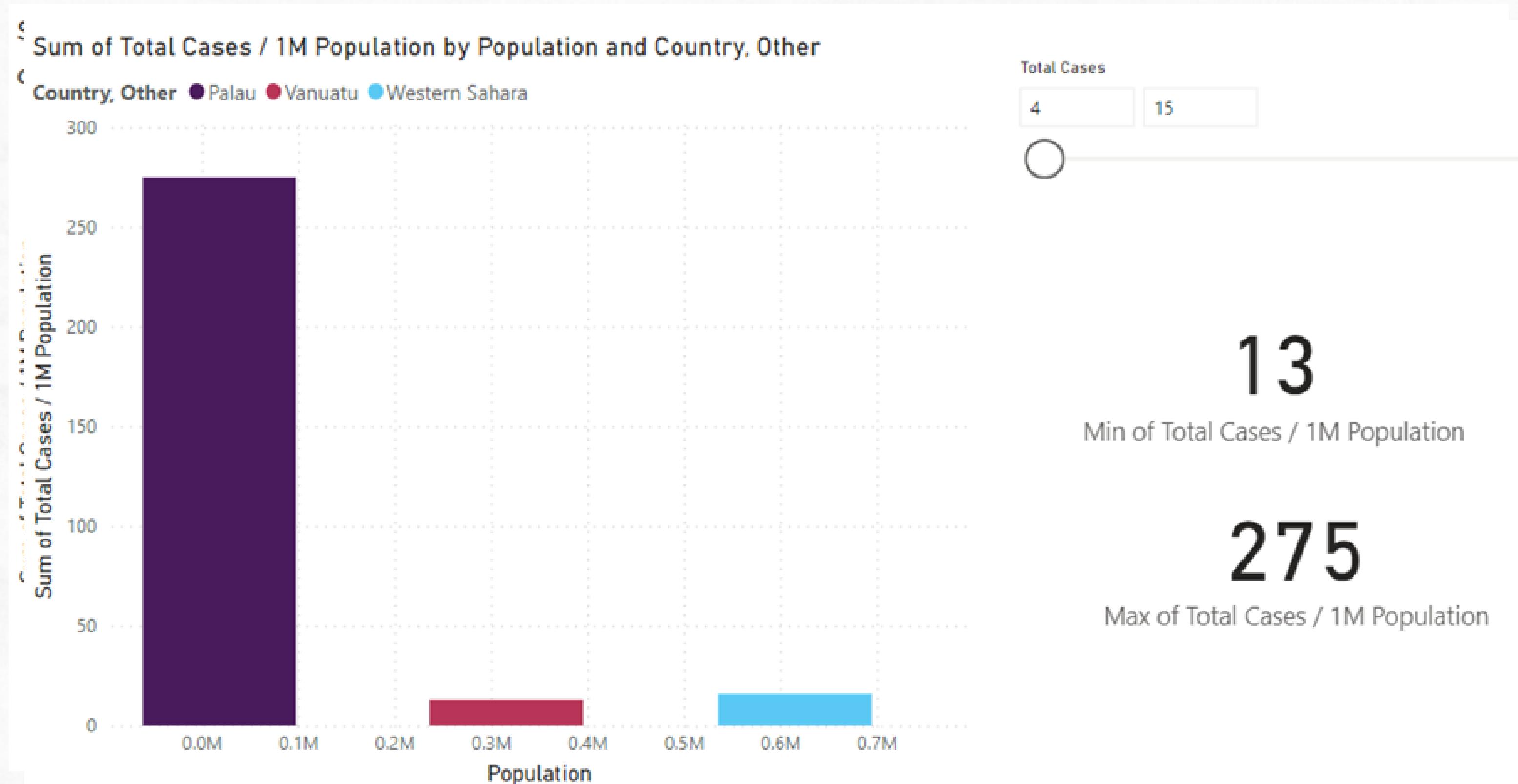
Properties

	Critical Condition	$\frac{\# \text{ Total Cases}}{1M \text{ Population}}$	$\frac{\# \text{ Deaths}}{1M \text{ Population}}$	Total Tests	$\frac{\# \text{ Tests}}{1M \text{ Population}}$	Population
125	22	34111	994	332771	236854	1404964
126	10	38542	1016	334494	284757	1174664
127	3	1509	34	249510	8740	28547963
128	50	142037	2068	26355	93170	282869
129	1	106011	1480	348342	929128	374913
130	27	123444	753	381027	1217097	308001
131	0	843	64	238579	5292	45082248
132	5	83302	1020	1211456	2734886	442964
133	23	65494	581	209041	371116	563276
134	22	60402	1329	118173	199287	592978
135	22	7341	159	462517	96423	4796765
136	0	1674	117	103566	5750	18012580
137	24	2222	27	546969	40333	13561494
138	26	36442	889	294242	371923	791137
139	25	11923	76	1143075	499382	2288979
140	0	2830	25	491799	57774	8512393
141	5	1715	12	604310	48324	12505413
142	0	1842	52	114661	9910	11570269
143	0	211370	1151	21504	217032	99082
144	0	71621	627	176919	630186	280741
145	15	49764	1179	139962	351858	397780
146	<					

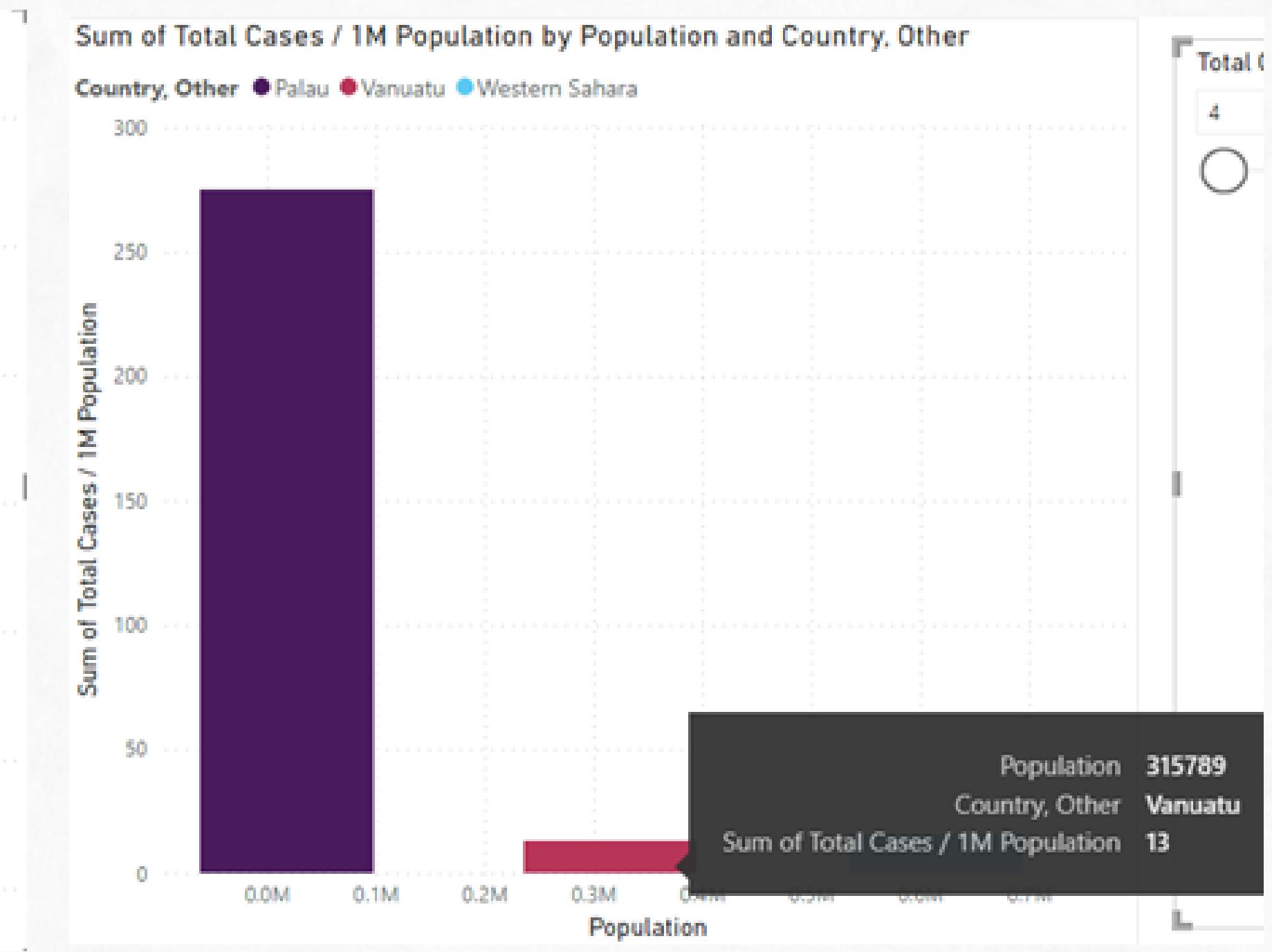
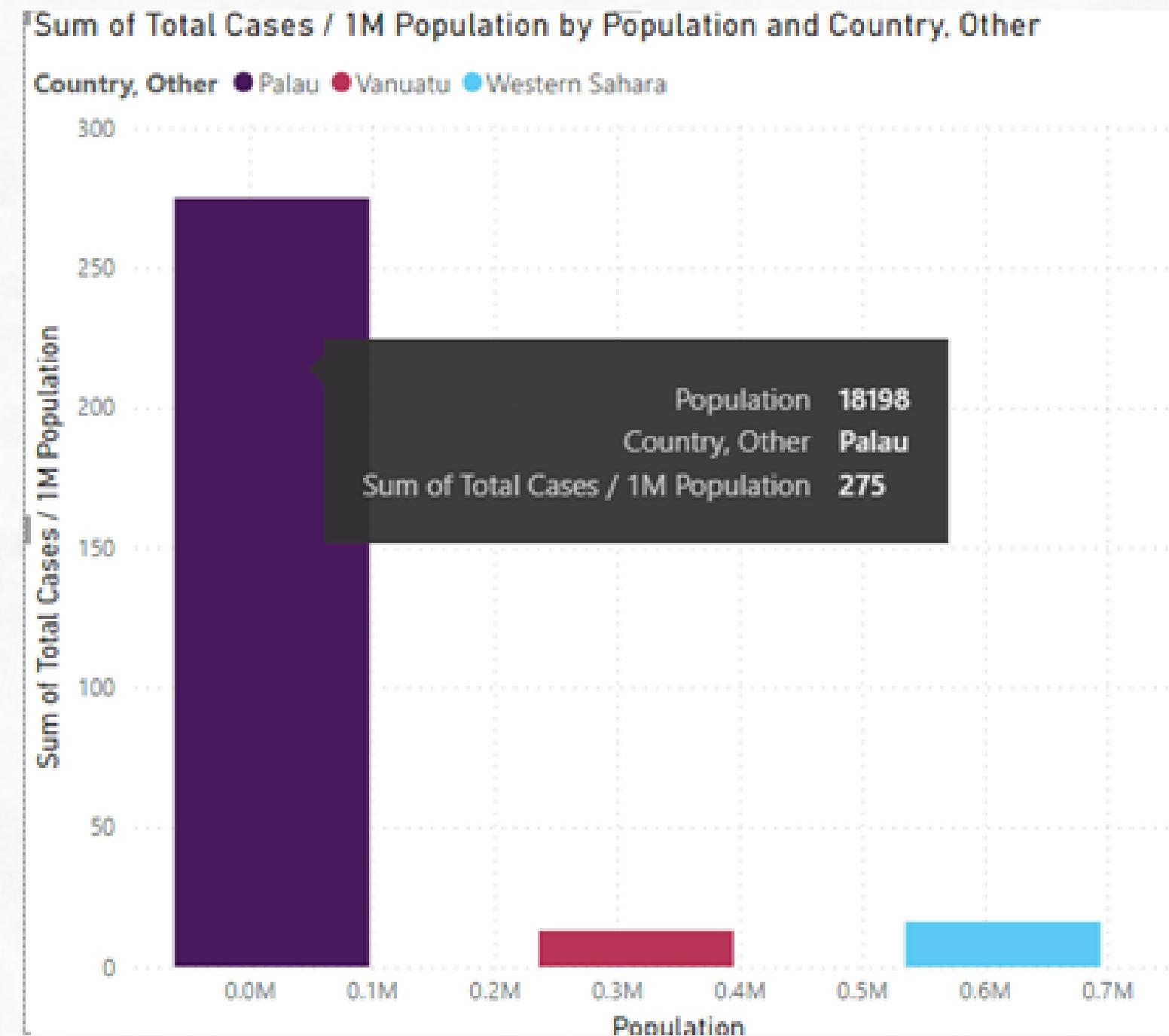
Applied Steps

- Source
- Navigation
- Promoted Headers
- Changed Type
- Replaced Value
- Replaced Value1
- Replaced Value2
- Replaced Value3
- Removed Alternate Rows
- Removed Alternate Rows1
- Removed Alternate Rows2
- Replaced Value4
- Replaced Value5
- Replaced Value6
- Replaced Value7
- Changed Type1

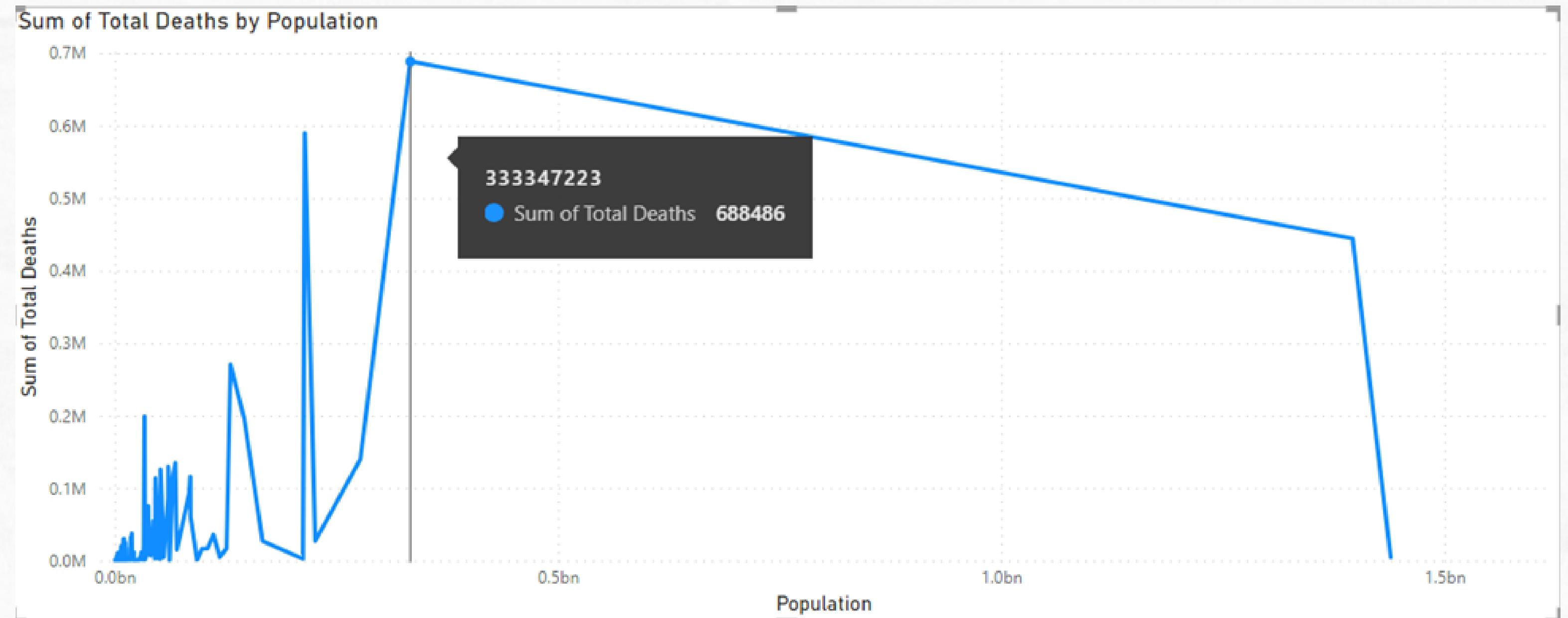
# Sum of total cases / 1M population versus total cases



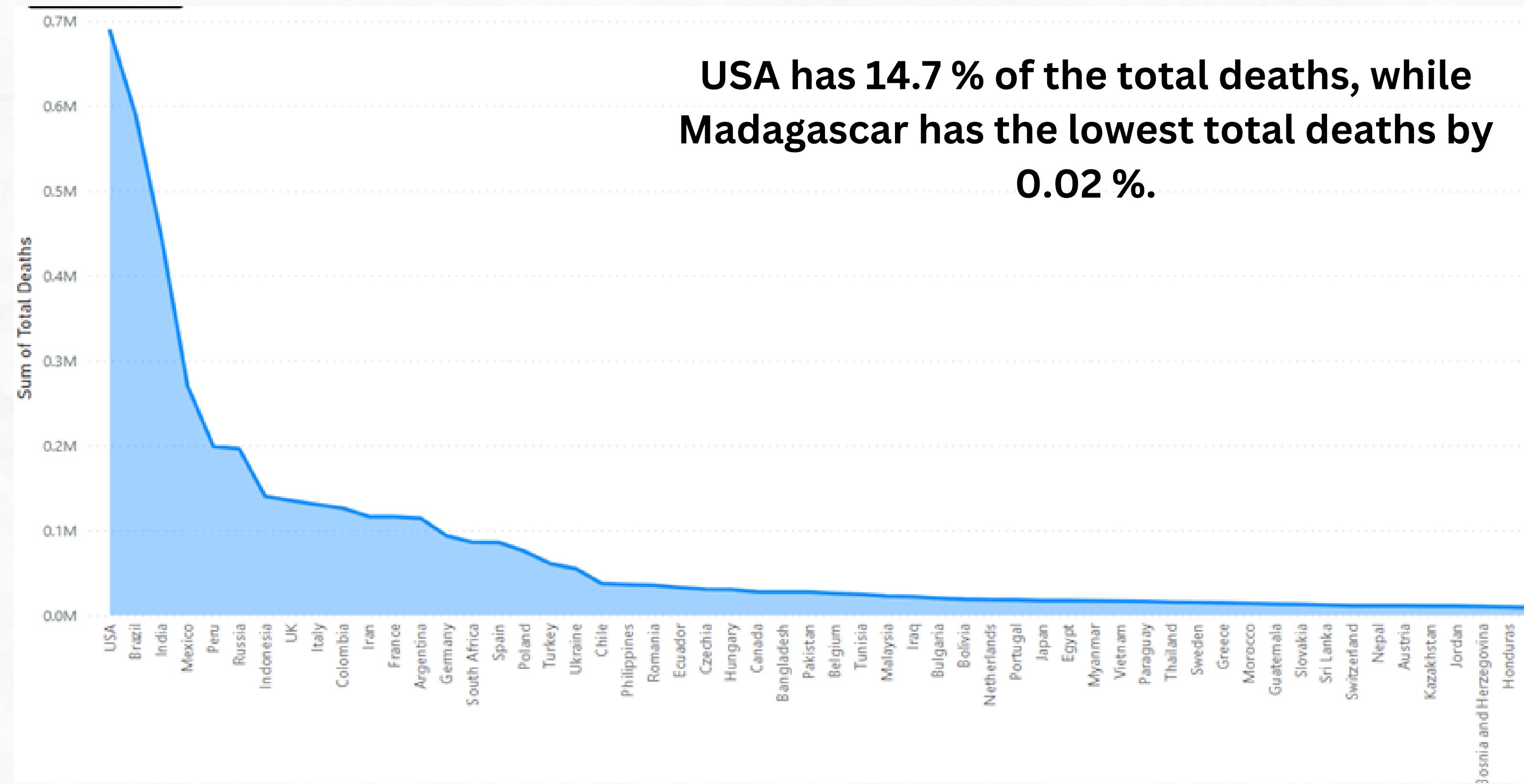
# Sum of total cases / 1M population versus total cases



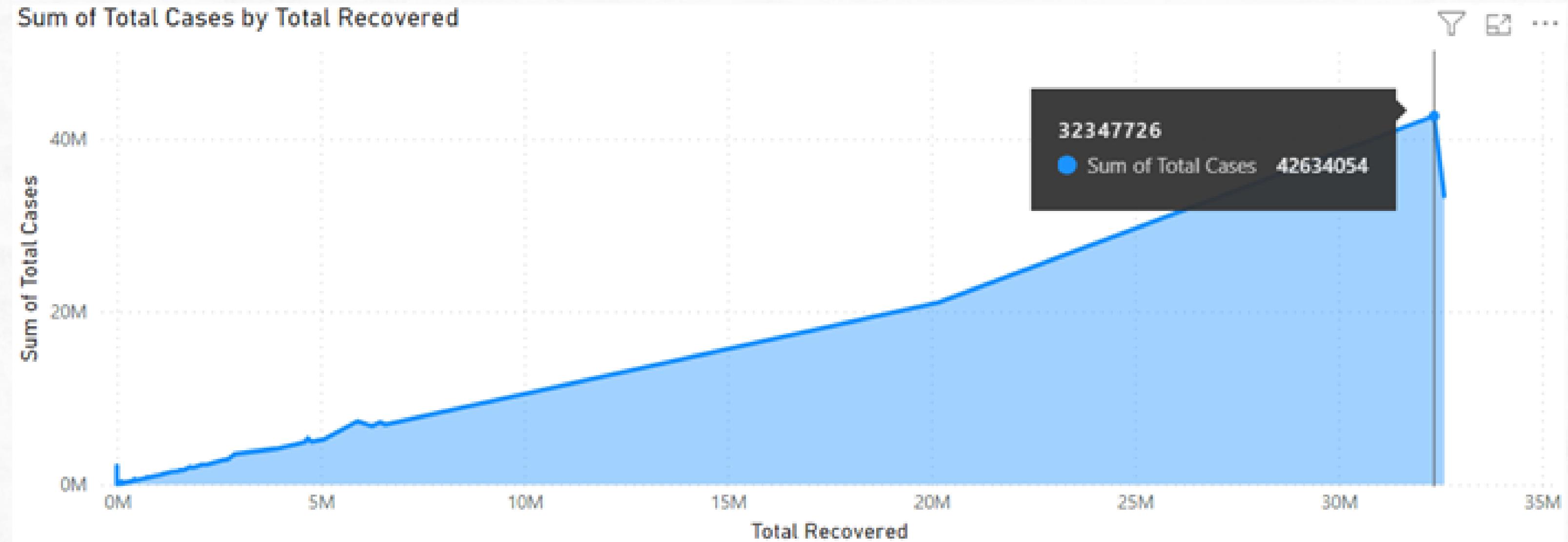
# Sum of Total Deaths by Population



# Sum of Total Deaths by Country



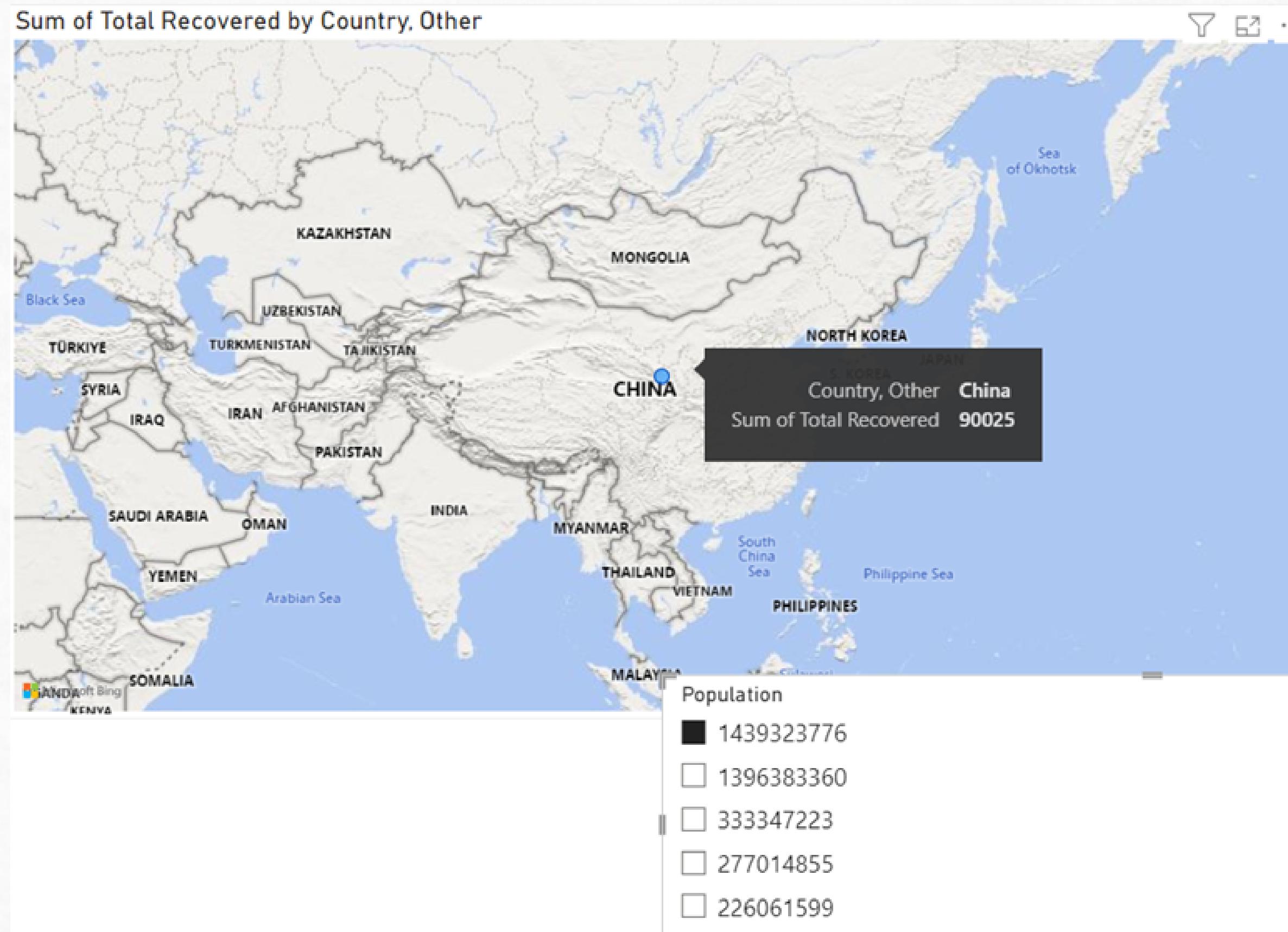
# Comparing the Sum of total cases and the total recovered



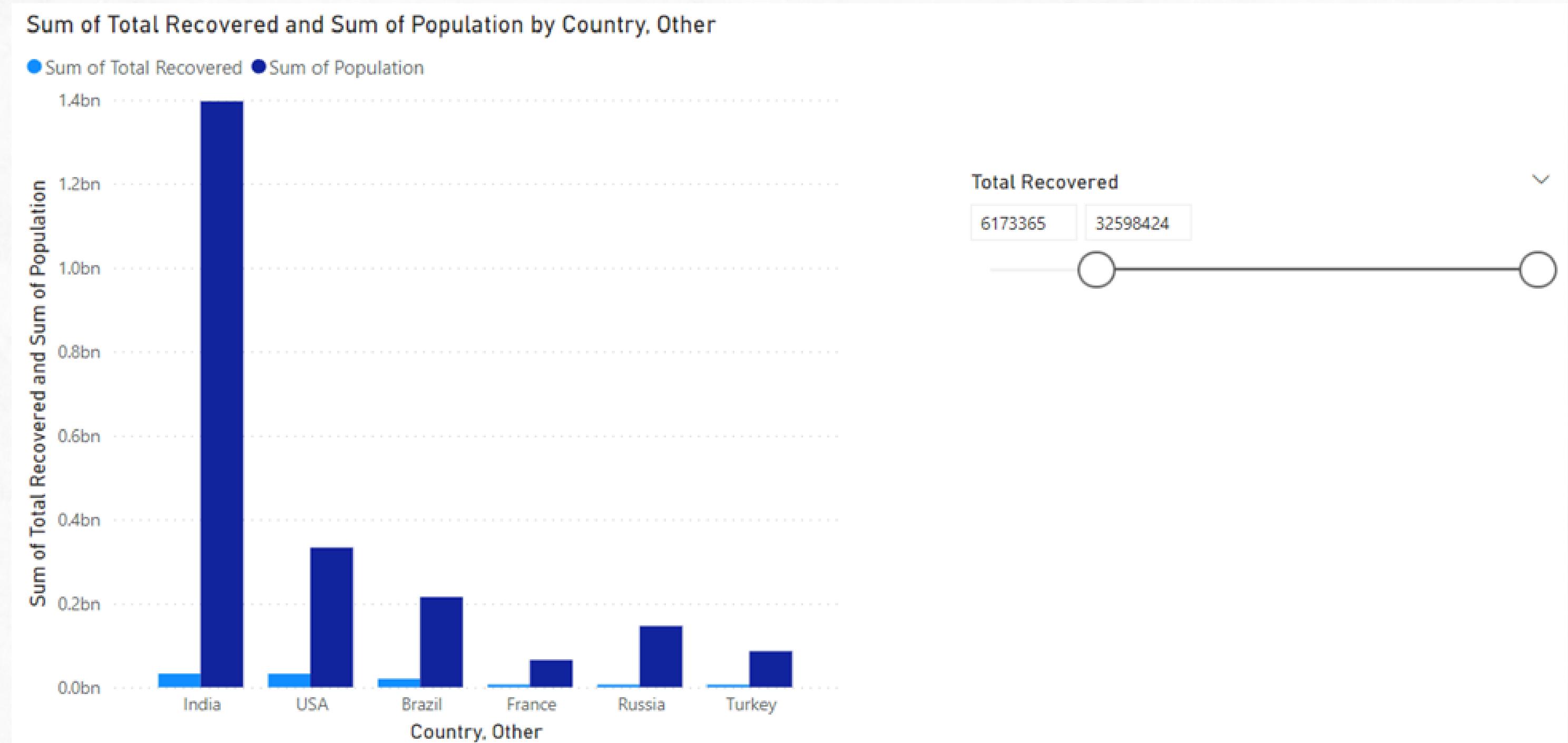
# Sum of Deaths / 1M population by country



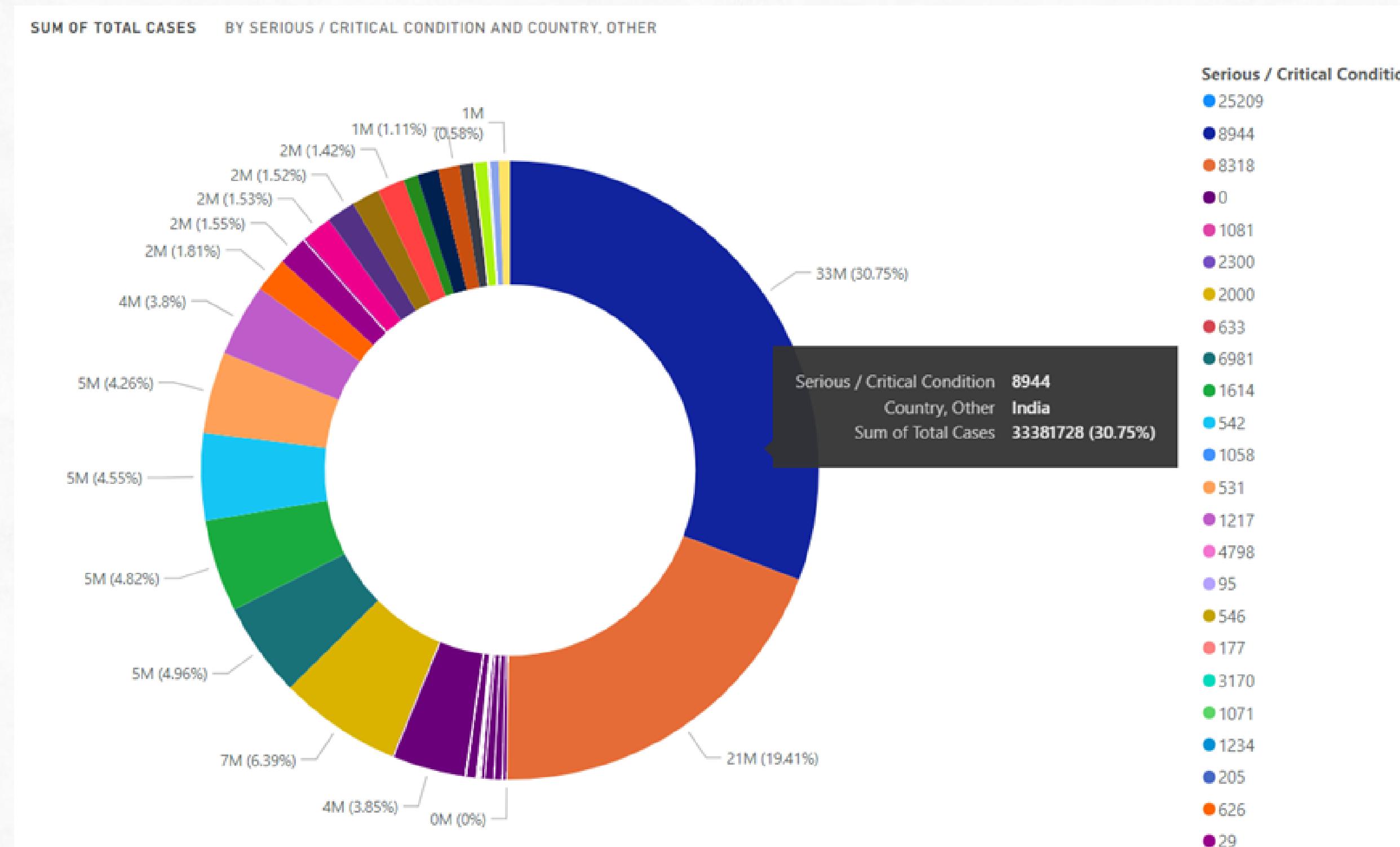
# Sum of Recovered / 1M population by country



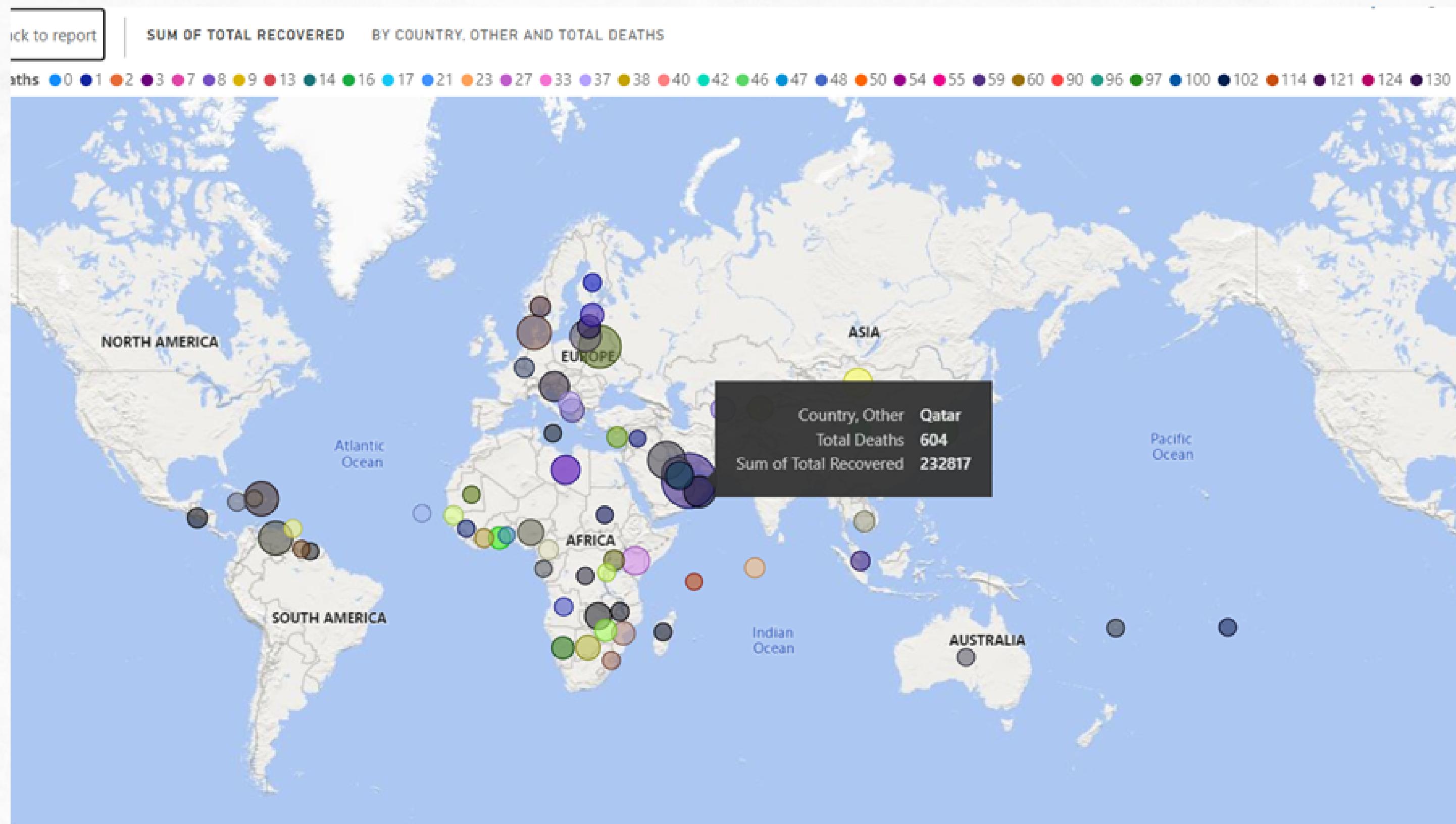
# Sum of Total Recovered and Sum of Population by Country



# Sum of total cases by serious/critical condition and country



# Sum of total recovered by country and total deaths



WE WANT TO SAY  
**THANK YOU**

FOR YOUR ATTENTION

