
COVID-19 IN THE PHILIPPINES: THEN VS NOW

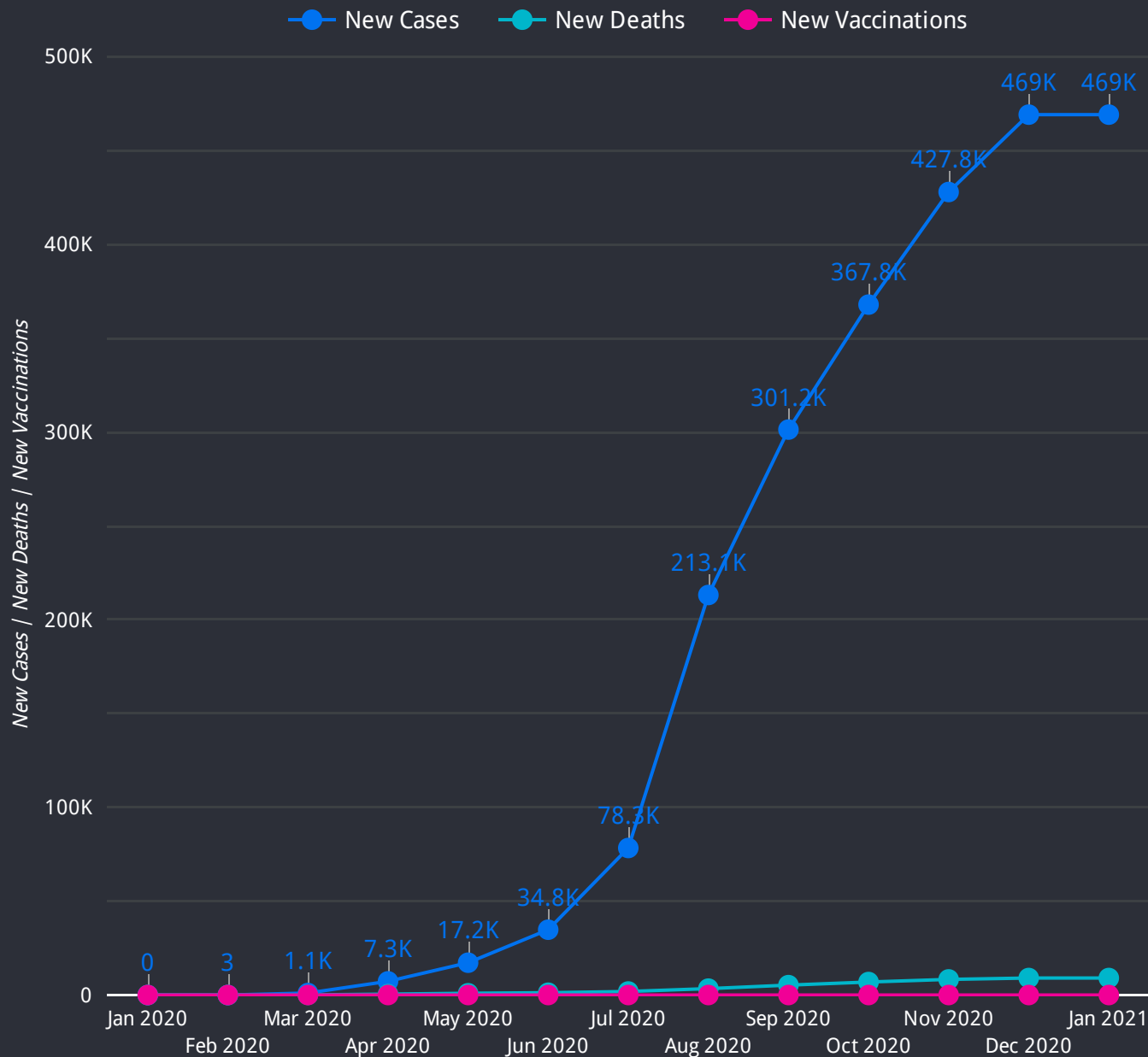
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CPE22S3

CPE 311 - COMPUTATIONAL THINKING WITH PYTHON

2020 ASEAN COVID-19 TOTAL CASES



As of January 2021, Indonesia and the Philippines had the most Total Cases in ASEAN, both at above 50 Million Cases.



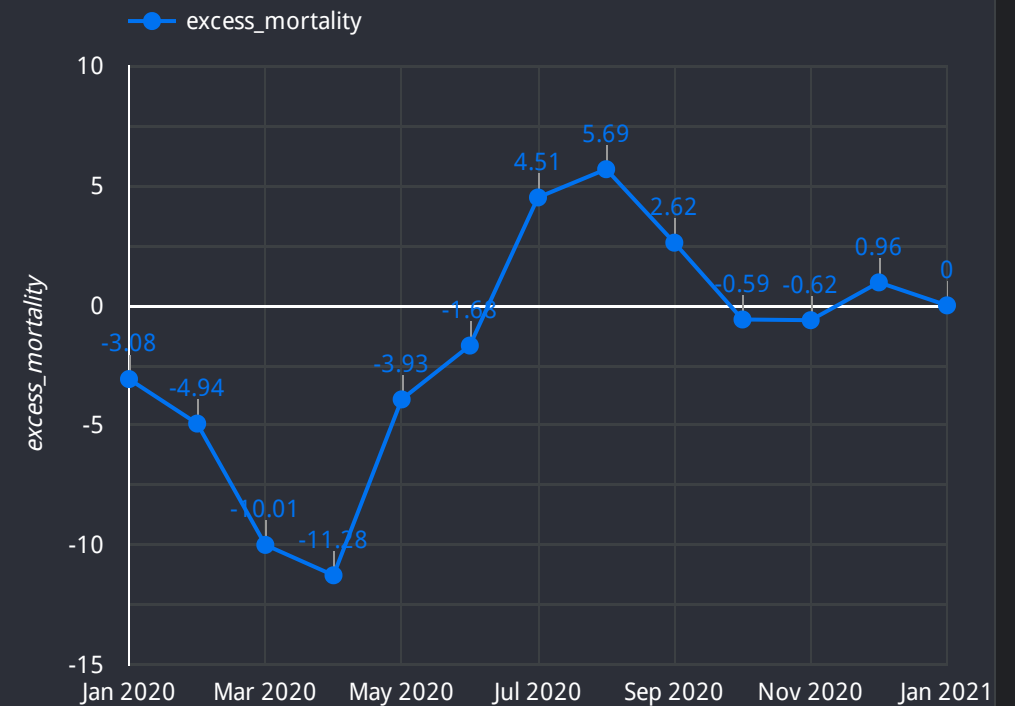
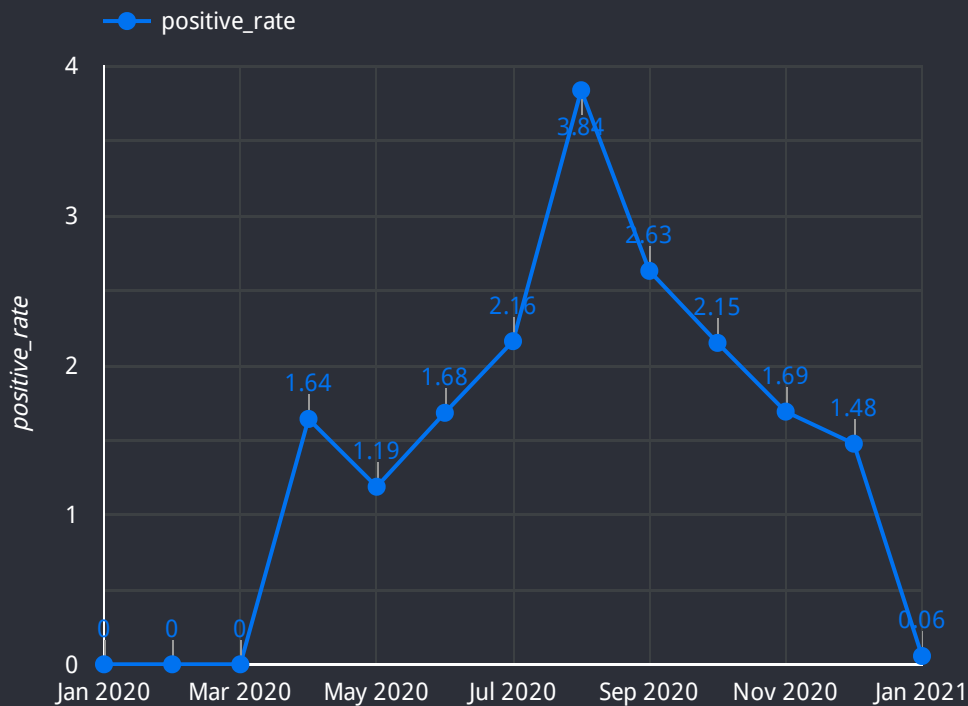
Cumulative New Cases from January 2020 to January 2021 in the Philippines

Daily Average Cases
1,292.02

Daily Average Deaths
24.98

Daily Average Vaccinations
0

The first year of the COVID-19 outbreak show a low death count and no vaccinations. There was a slow start in the increase in cases during the first half of the year, with a massive spike between July and August.



Looking at the positivity rate and excess mortality over the year, we can also note the increase in both metrics between July and August, which can also be seen in the previous graph. The response to this sudden spike in cases was an increase in quarantine protocols.



CORONAVIRUS PHILIPPINES

Philippines returns to Covid-19 lockdown as infections soar to record highs

Bonnie Au

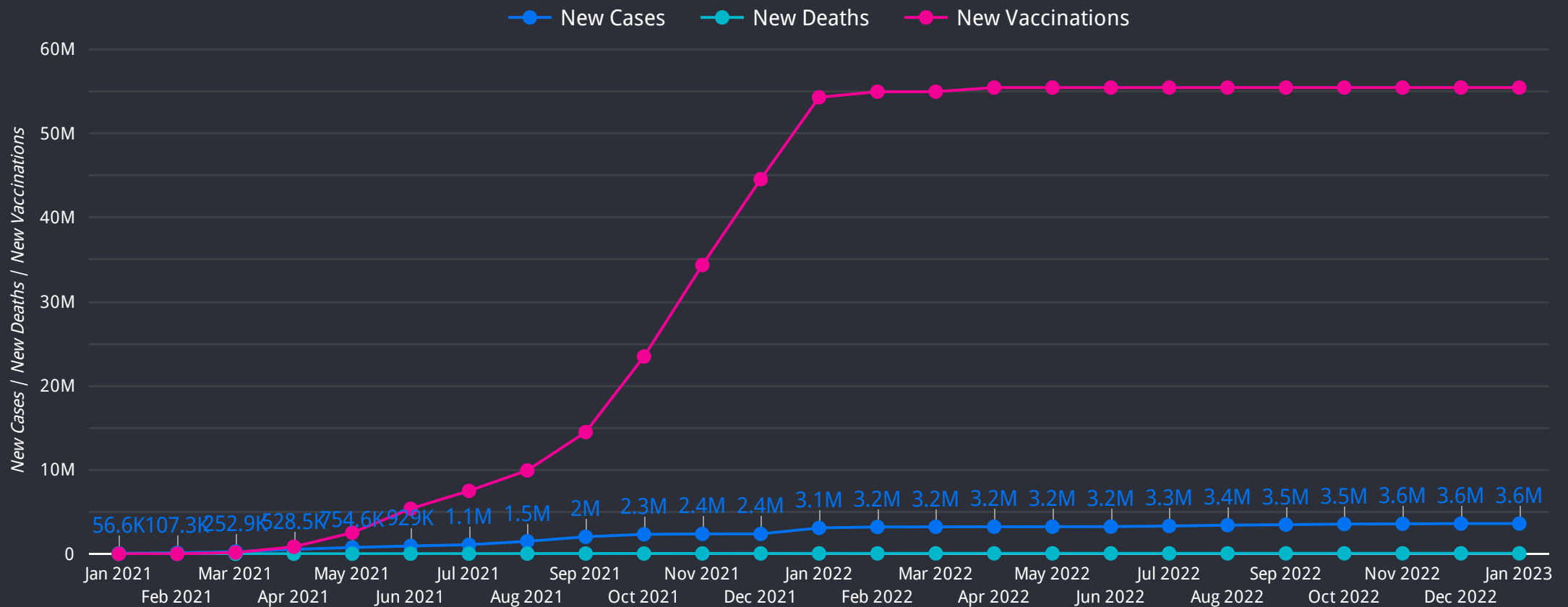
55 SHARES



The Philippines reimposed a strict Covid-19 lockdown starting August 4, 2020. The decision follows a call from health care workers for stronger measures to fight the spread of the coronavirus in the country and to prevent the health care system from collapsing under the pressure of a rising number of new cases. On August 2, the country confirmed a daily record high of about 5,000 infections.

August 4, 2020

Cumulative New Cases from January 2021 to January 2023 in the Philippines

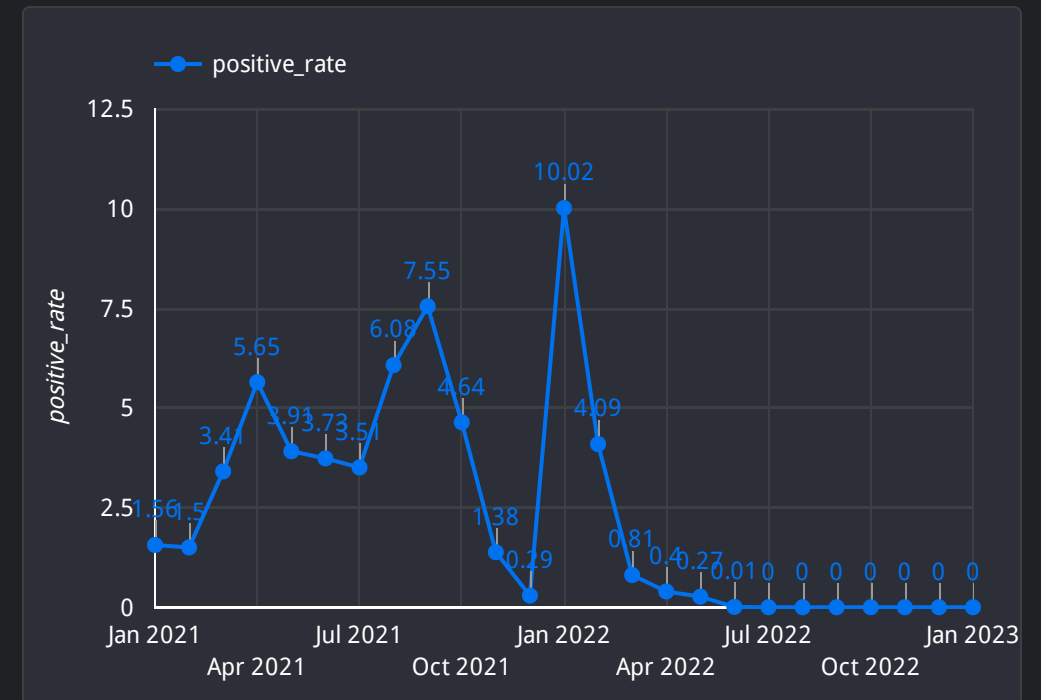
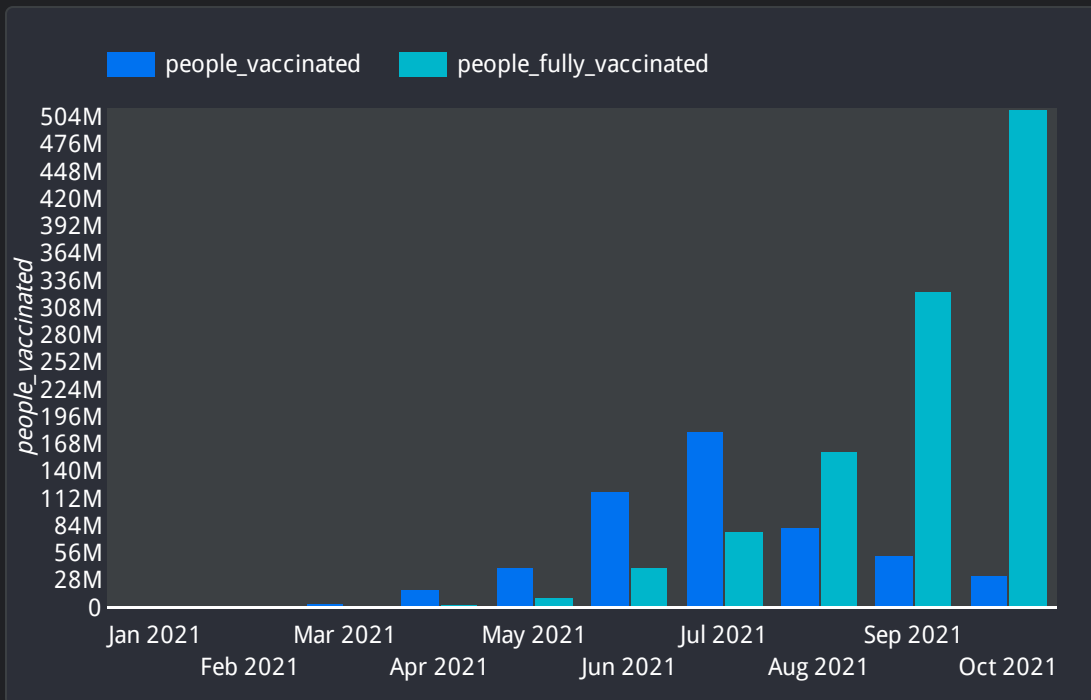


Daily Average Cases
4,916.08

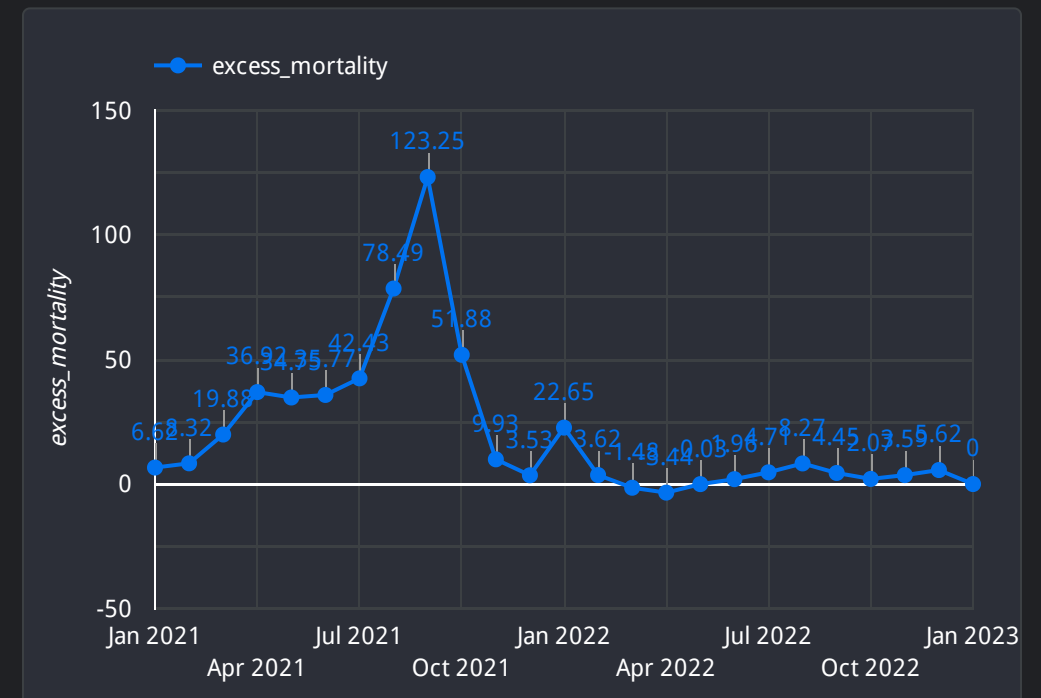
Daily Average Vaccinations
75,840.97

Daily Average Deaths
77.08

With the number of cases subsiding by the end of 2020, We can see a slower and steady increase in cases as well as deaths. However, it is the period that we can see vaccinations occur, starting from March to December of 2021. 2022 would be the year where the effects of the pandemic seem to stabilize



This period is when vaccinations were given out, and cases start to stabilize. This can be seen reflected in both the positivity rate as well as excess mortality. We can also see how everyone immediately got vaccinated as soon as they were available, with everyone availing for full vaccinations

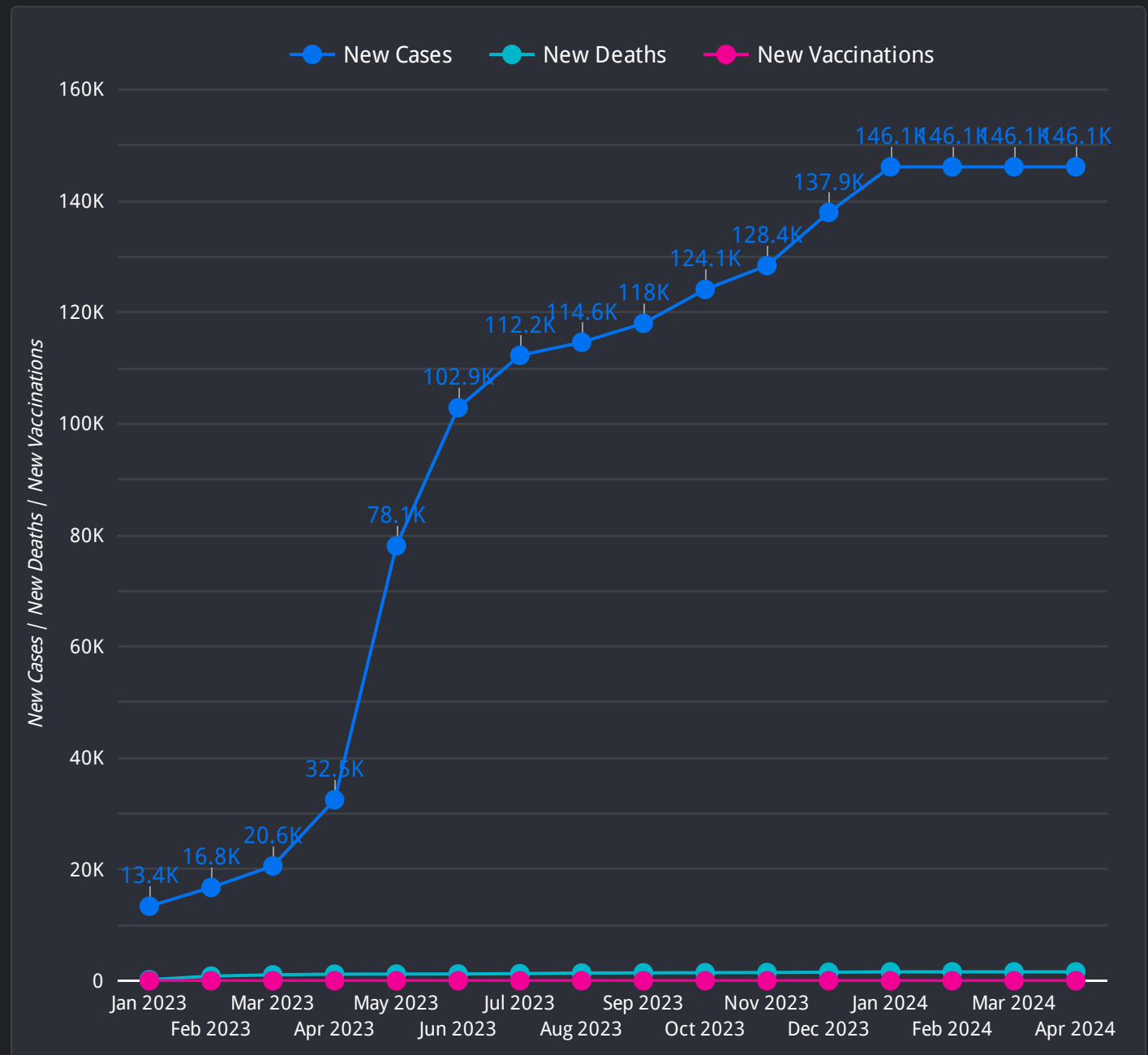


Daily Average Cases
310.84

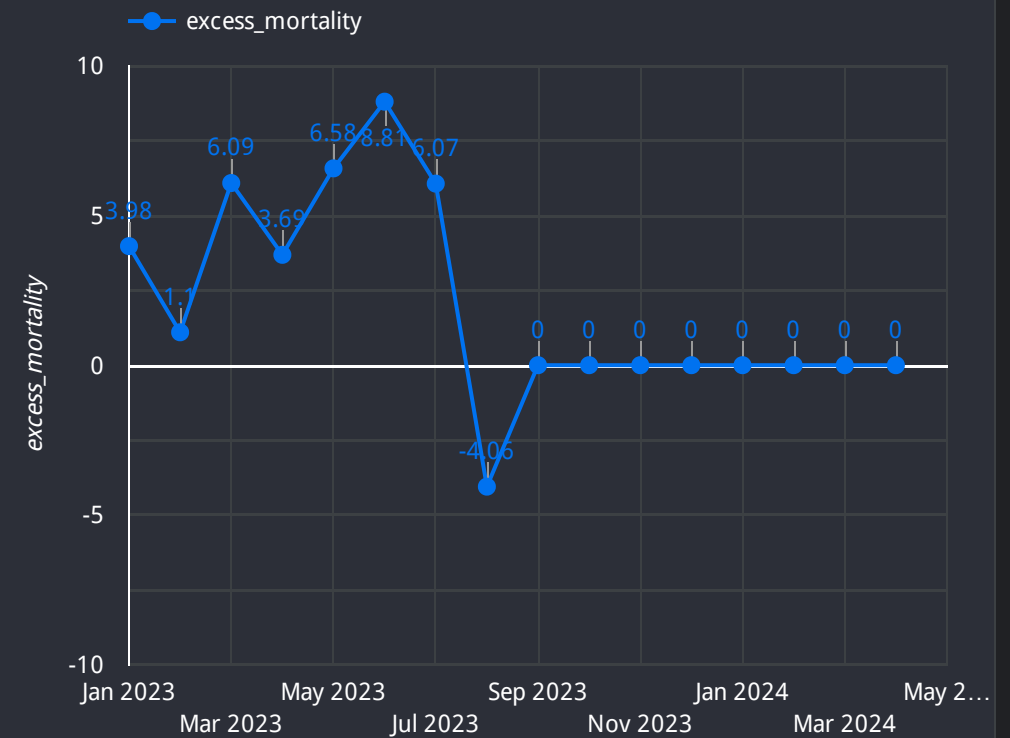
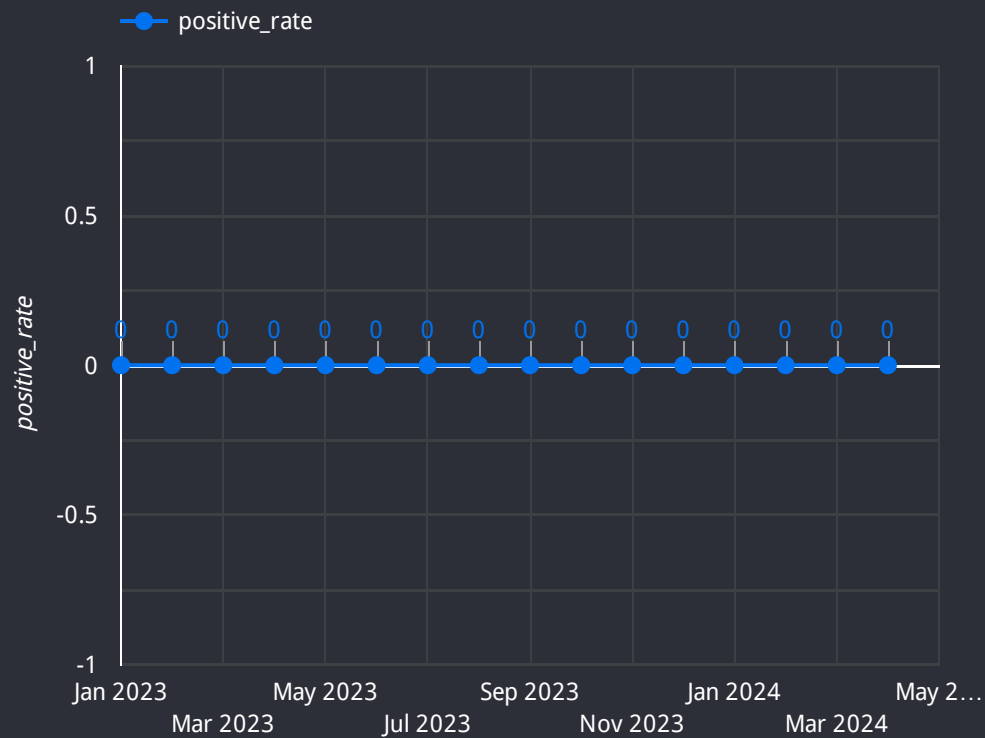
Daily Average Deaths
3.41

Daily Average Vaccinations
0

Since the start of 2023, we can see how the number of cases significantly decreased, with just one major spike in cases between April and May 2023, but even this was relatively small to how it was before. It can be said that the pandemic is finally over



Cumulative New Cases from January 2023 to Present in the Philippines



We can also see this massive decline by the end of 2023, seeing how cases have dropped drastically. The pandemic has taken a huge toll on the country, claiming the lives of thousands and affecting most industries and sectors of the nation. It is a relief to be able to say that this pandemic is finally over.

total_cases_per_million
33,993,331.16

total_deaths_per_million
553,442.13

stringency_index
64,096.12

tests_per_case
19,892.8

REFERENCES:

- Dataset: Data on COVID-19 (coronavirus) by Our World in Data
<https://github.com/owid/covid-19-data/tree/master/public/data>
 - <https://ourworldindata.org/coronavirus/country/philippines>
 - <https://www.scmp.com/video/coronavirus/3095954/philippines-returns-covid-19-lockdown-infections-soar-record-highs>
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