

COVID-19 WEEKLY ANALYTICS

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Latest Data: 20-February-2021

Location: Zimbabwe

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BRIDGING THE BORDERS BETWEEN

Current COVID-19 Statistics as of 20 February, 2021

35768

RECORDED CASES

32096

RECOVERED

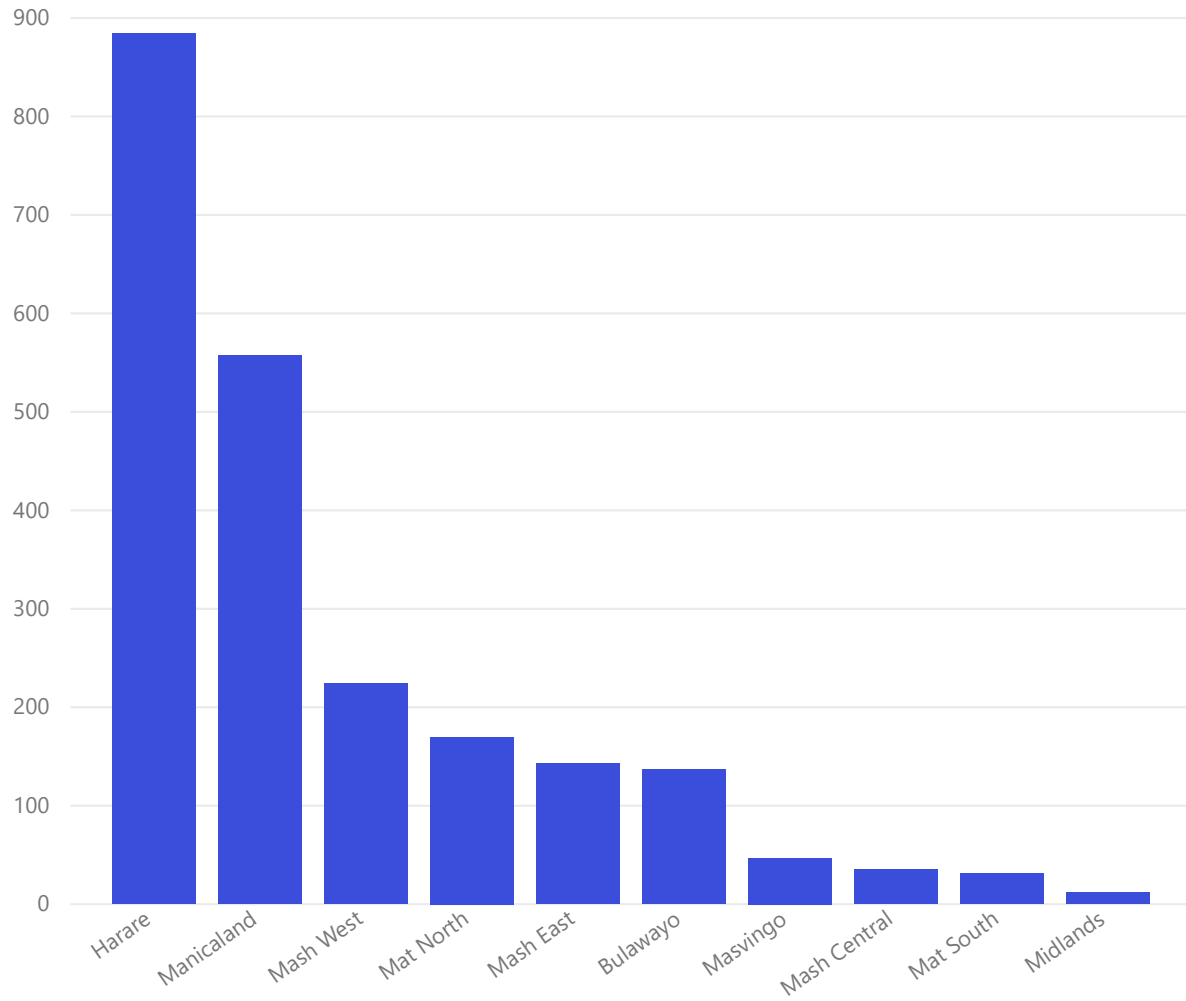
1432

DEATHS

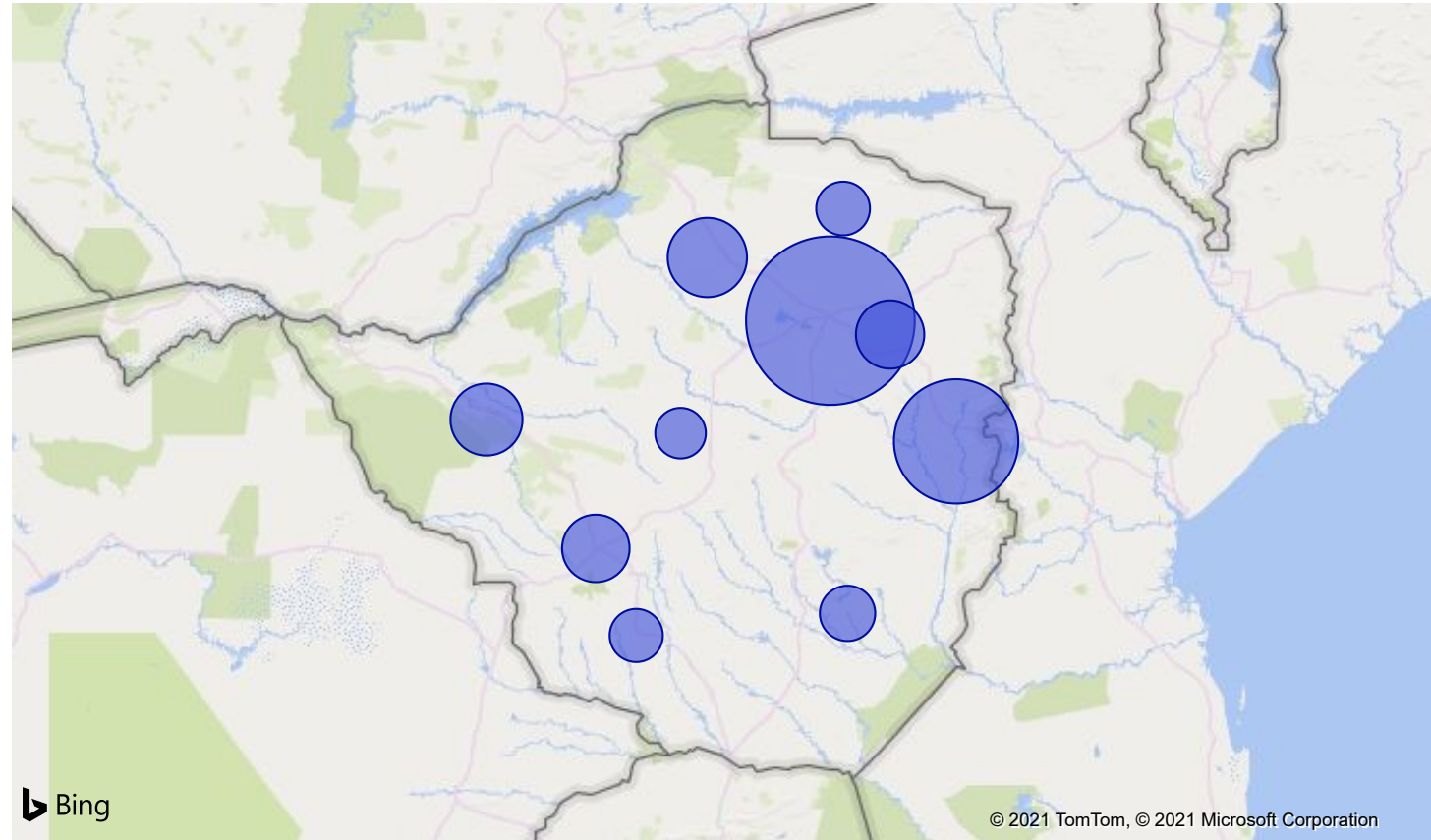
2240

ACTIVE_CASES

ACTIVE_CASES by PROVINCE

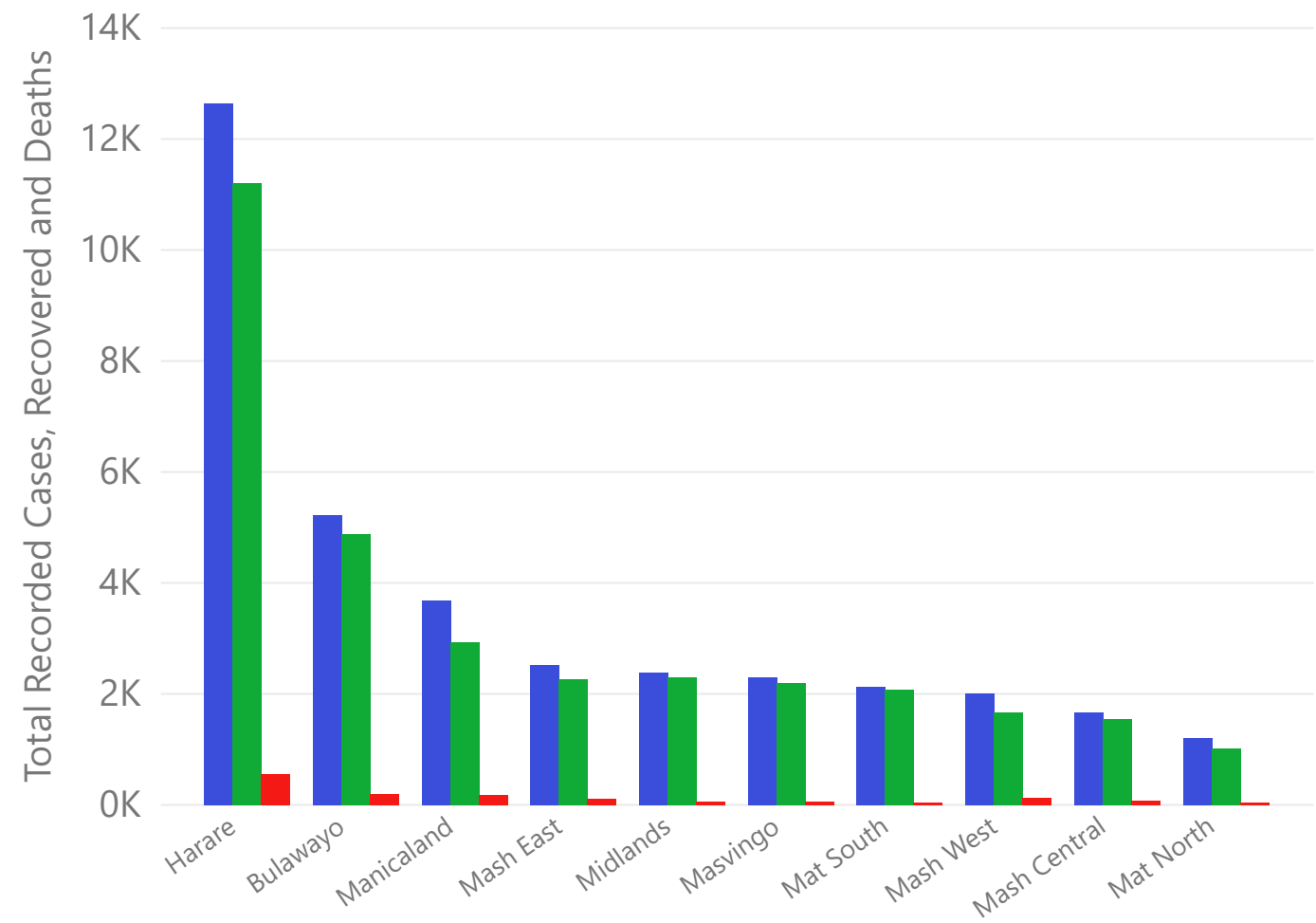


ACTIVE_CASES by Province



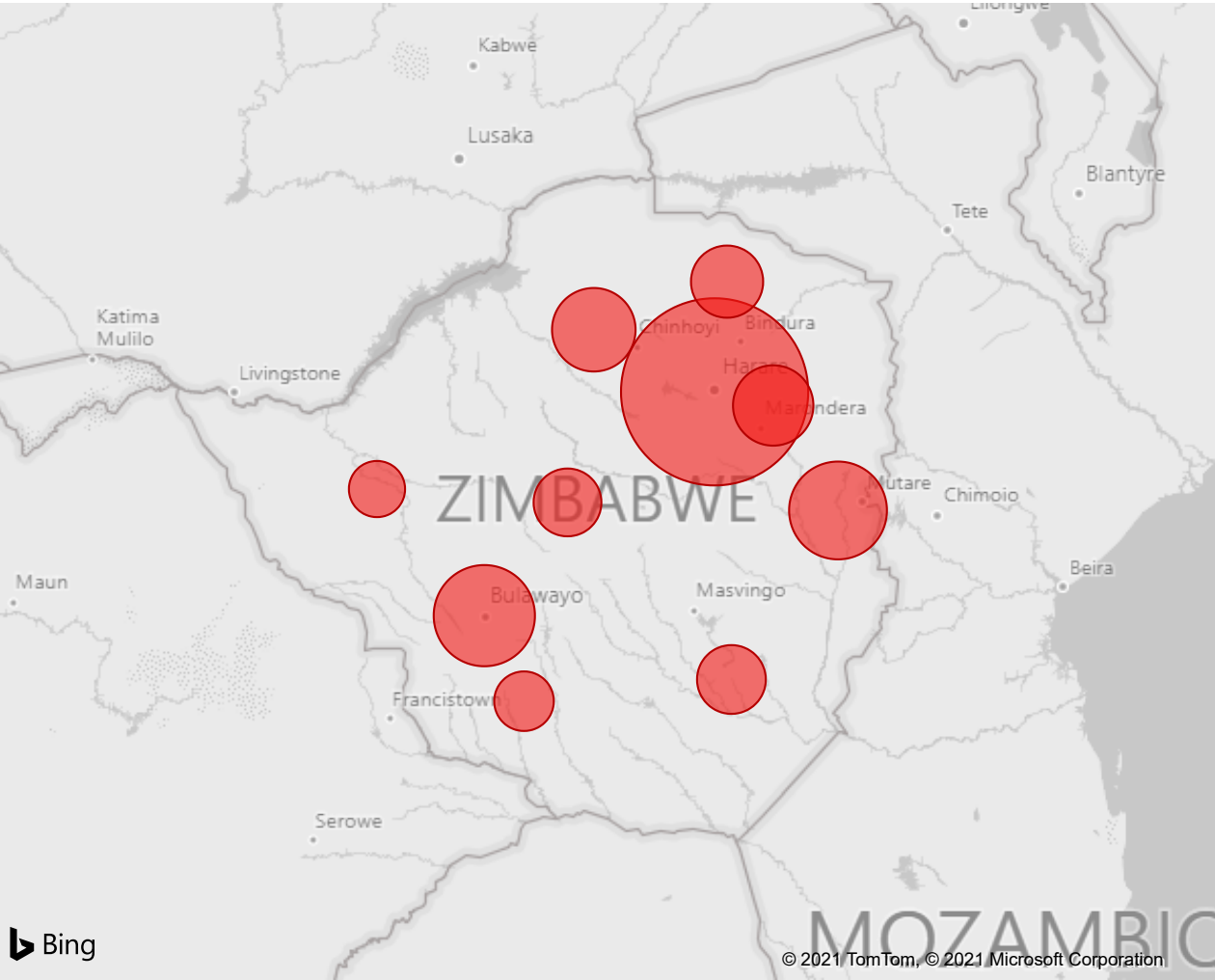
Harare remains with the most active cases within the country. Midlands now has the lowest number of active cases. Masvingo's active cases have risen up. Refer to Histogram above for distribution per each Province within the country.

Cases, Recoveries & Deaths per Province

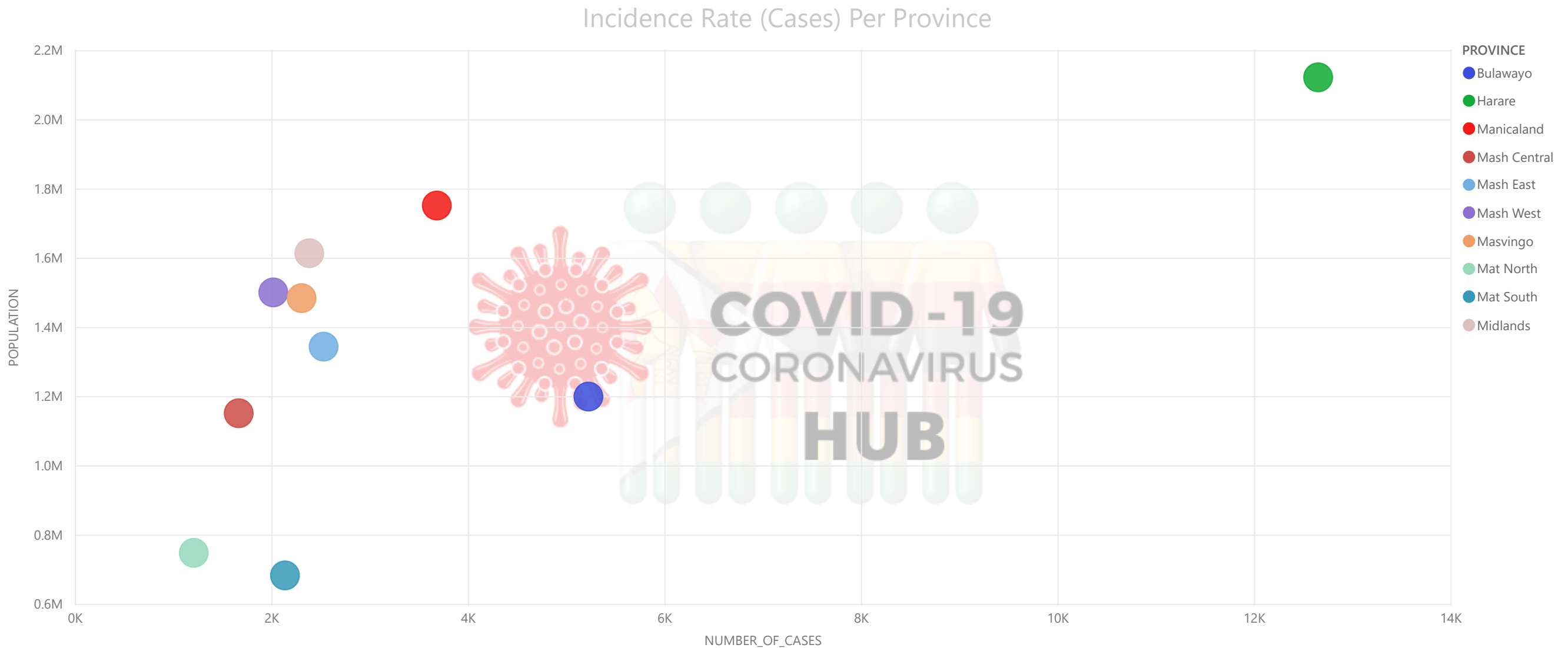


KEY ● Total Recorded Cases ● Recovered ● Deaths

Deaths by Province



The number of recorded cases, recoveries and deaths per Province
A smaller difference can be noticed between the number of Total Recorded cases and the Number of patients who have recovered in each province. Harare still has a larger difference between total recorded and total recovered patients. .

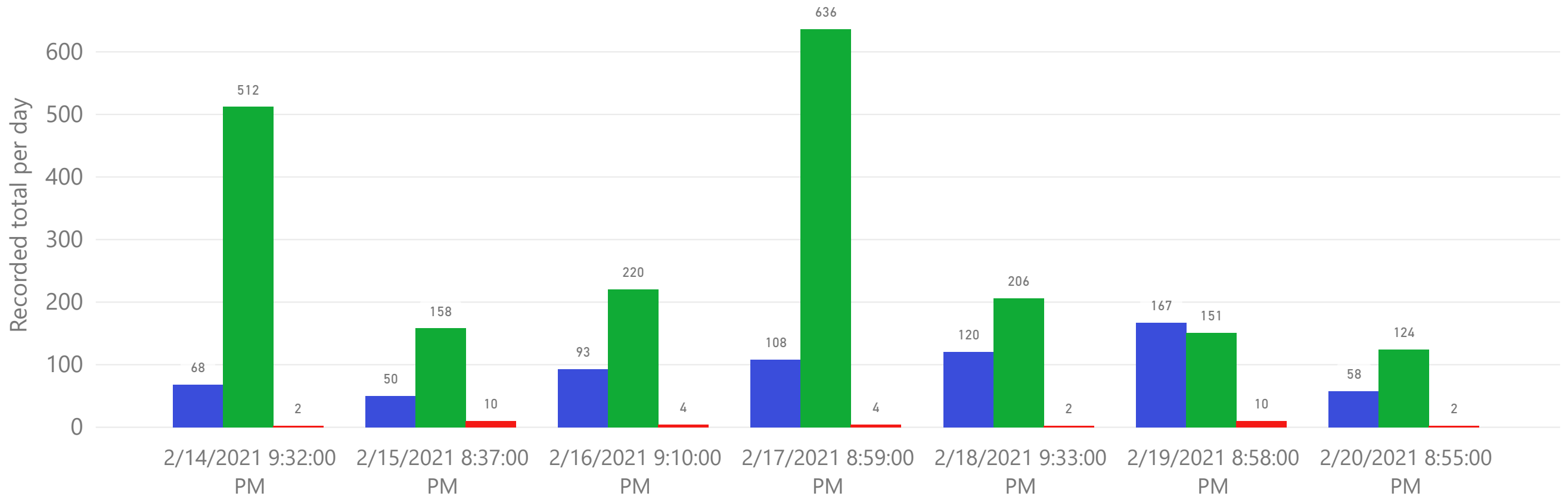


As displayed in the scatter plot above, Harare despite having a large population still remains the province with the highest incidence rate within the country.

There is a higher risk of one getting infected with the Coronavirus in Harare than in other Provinces within the country.

The remaining Provinces except for Bulawayo present a fairly equal risk of infection in the country.

New_Cases, Recovered and Deaths by Date within the last 7-Days



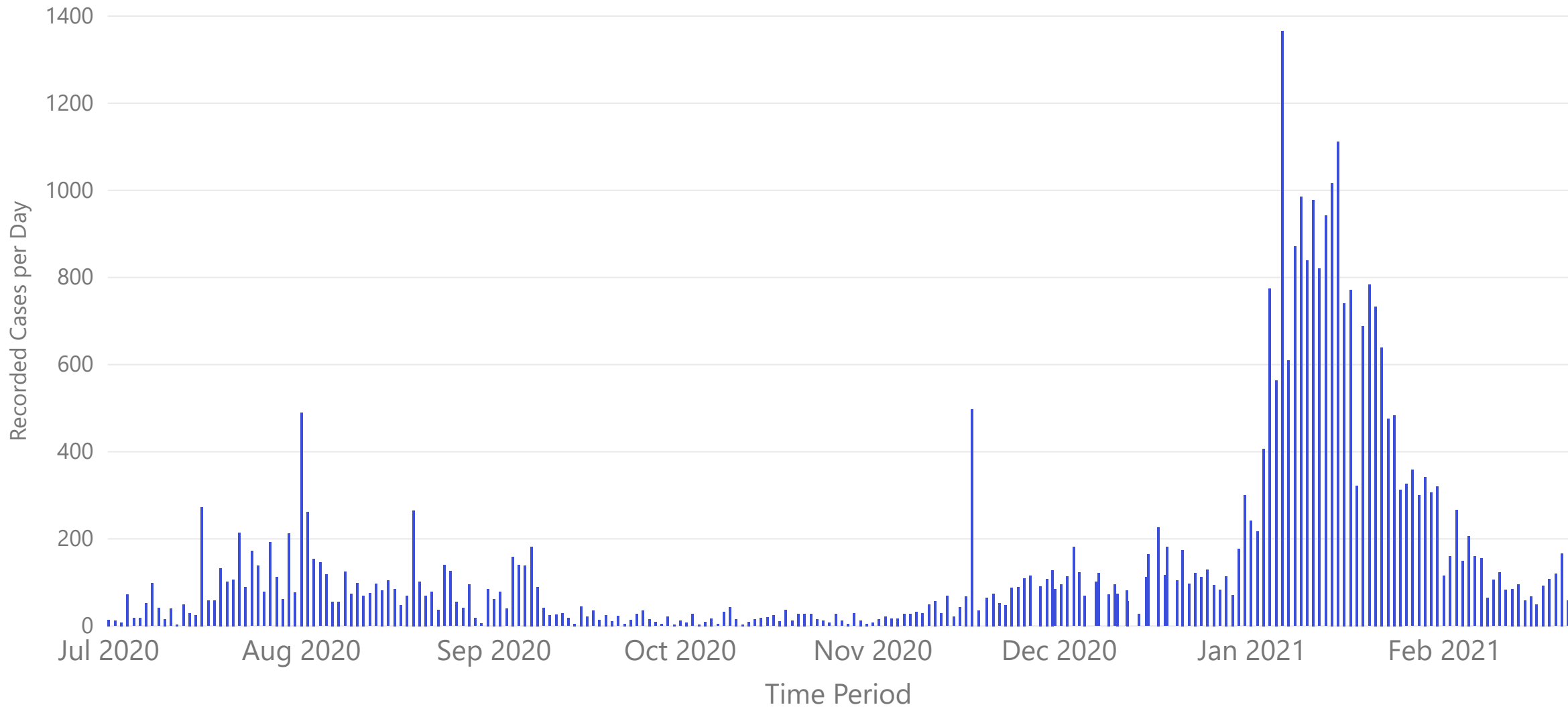
KEY ● New_Cases ● Recovered ● Deaths

The last 7-day trend in the number of recorded positive cases, recoveries and deaths indicates sign of recovery in Zimbabwe.

More recoveries were still recorded over the past 7-days than the number of new cases.

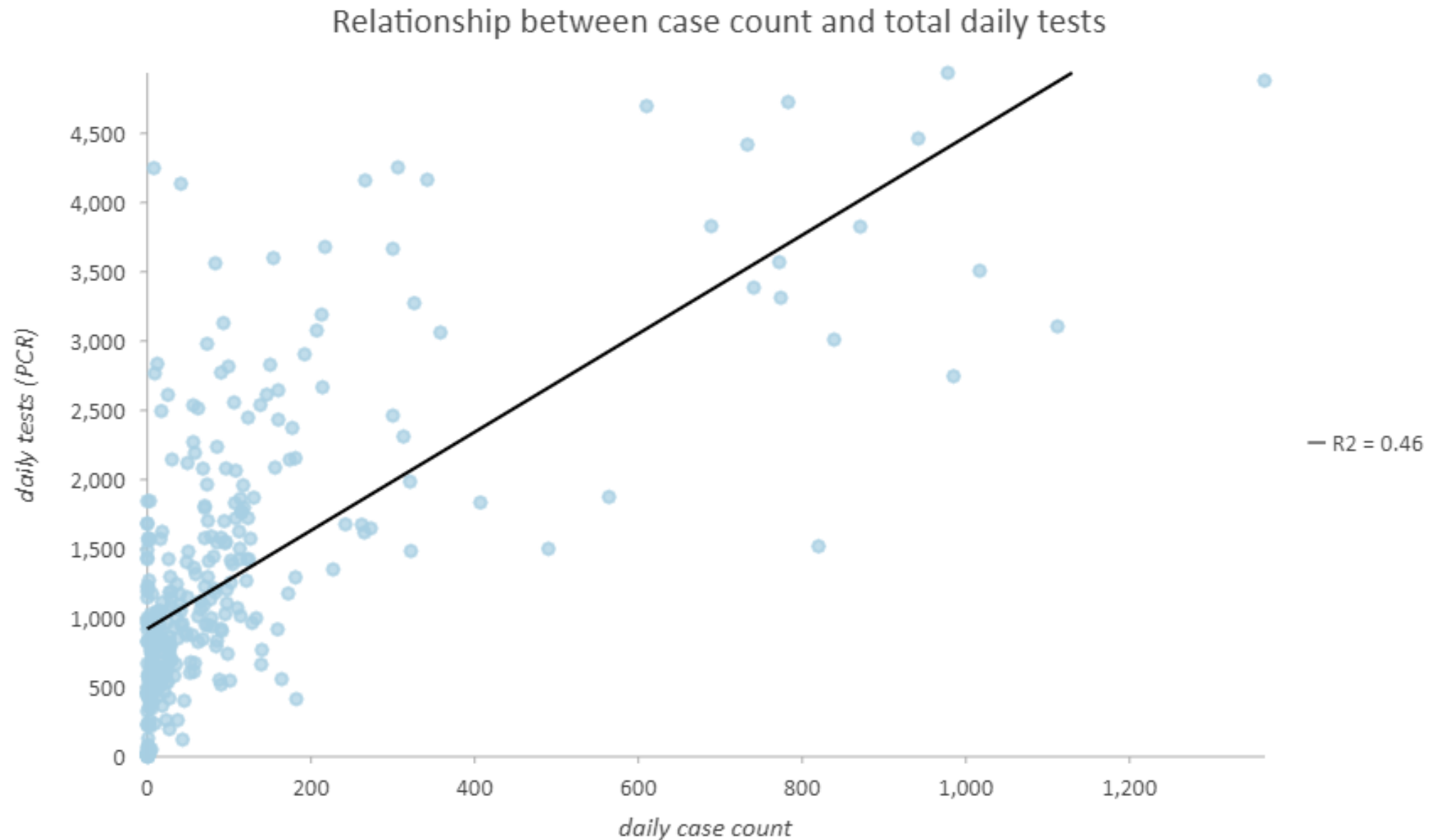
The number of deaths have reduced to a maximum 10 deaths in a single day within the last 7-days which is an improvement from last week where the highest was 18. However, there was an unexpected spike in the new cases on the 19th of February. Reports indicated this was due to a cluster outbreak within one compound in Harare Province.

Daily New Cases Trend



Daily new cases trend indicator graph from July 2020.

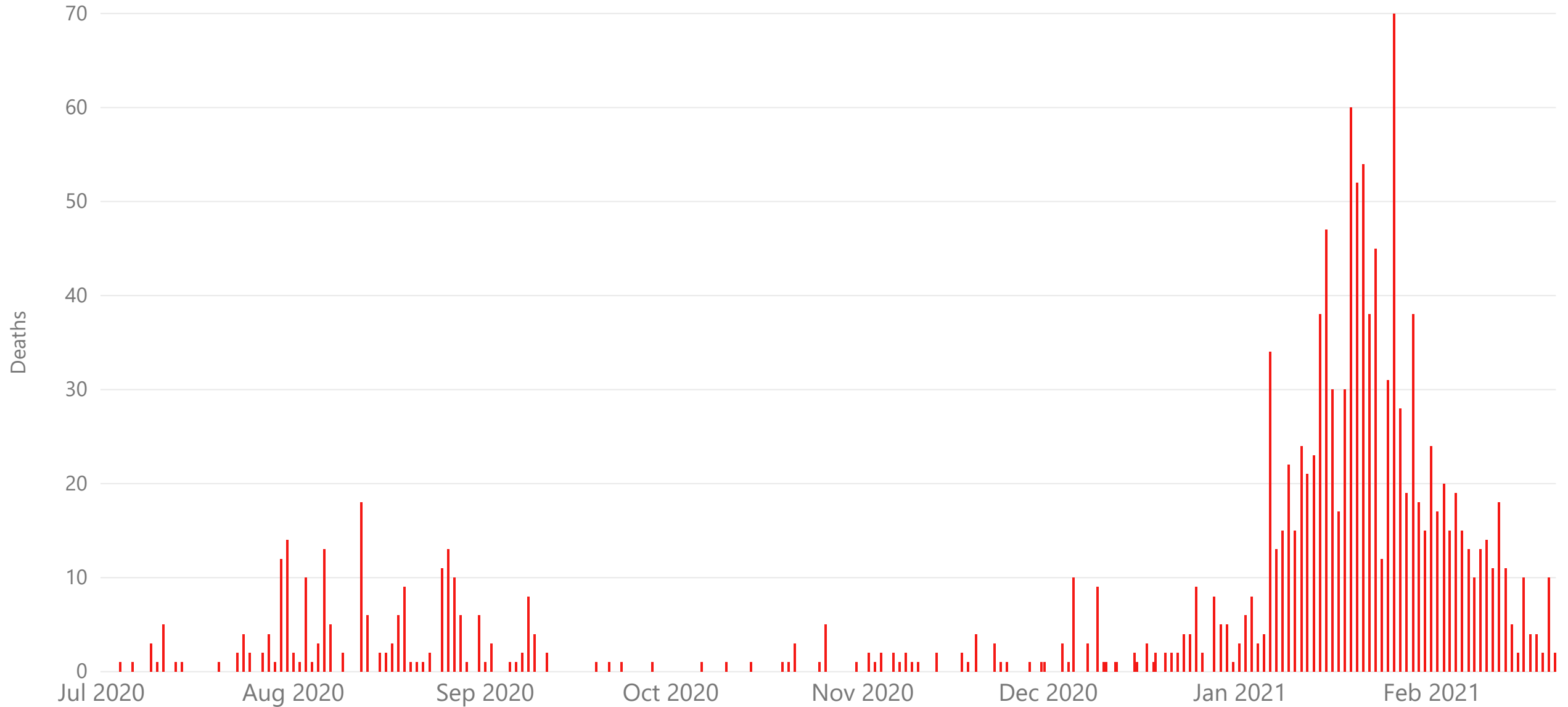
The daily new cases trend graph continues to display a decrease in the number of daily cases that are being recorded these days. Cases had spiked massively in January and in February there has been a sudden drop to below 150 cases a day which is also an improvement from last weeks total number of cases. See prediction analysis next page.



The daily relationship between covid-19 positives and PCR tests conducted in Zimbabwe.

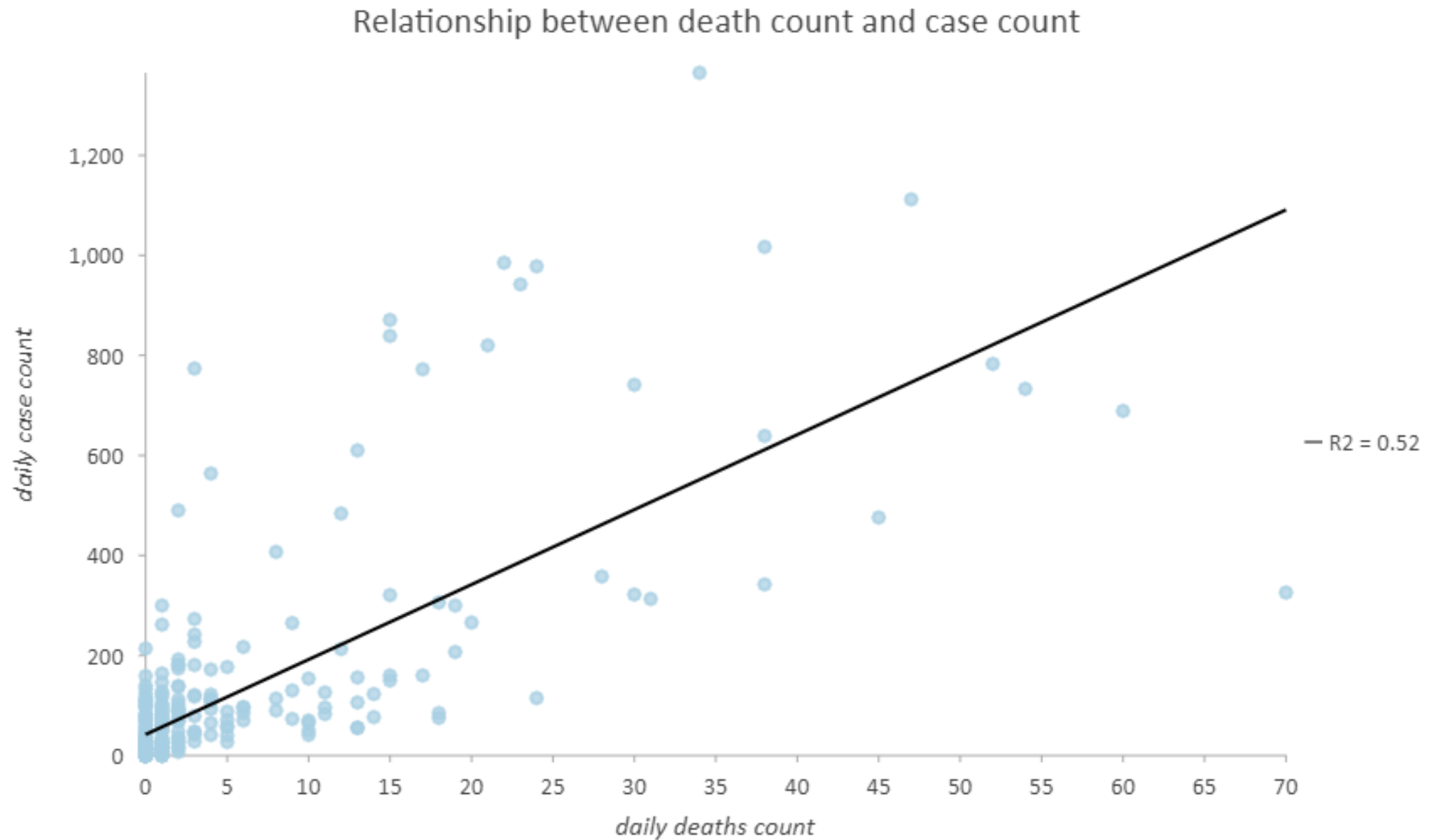
The relationship between the number of tests and cases recorded on a daily basis is harder to predict using regression analysis as the r-squared value falls below 0.5. There have been a lot of unexpected results (spikes and shoots) in the number of cases in January. The country is still in recovery mode hence predictions are a bit biased at this stage. A lot of residuals also lie within the regression model limiting the prediction factors within the model.

Deaths by Date



The graph indicates the death trend in Zimbabwe since July 2020

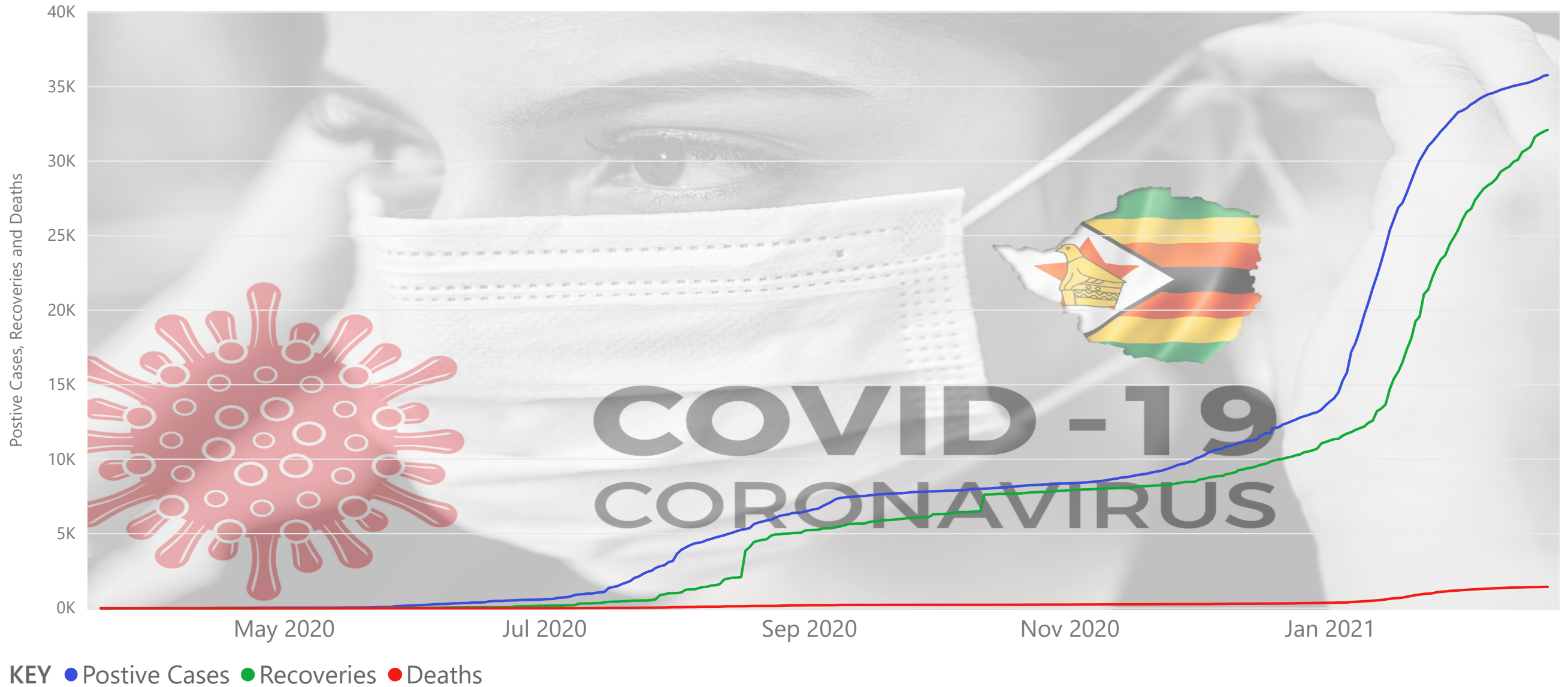
The deaths recorded on each day keep changing rapidly but however they have lowered much better than the previous month of January.



The daily relationship between covid-19 case count and covid-19 related deaths in Zimbabwe.

The regression model for the relationship between COVID-19 related deaths counts and case counts on a daily basis presents an R-Squared value fairly above the normal indicating a positive probability of the predictions of deaths with respect to cases on a daily basis being almost exact.

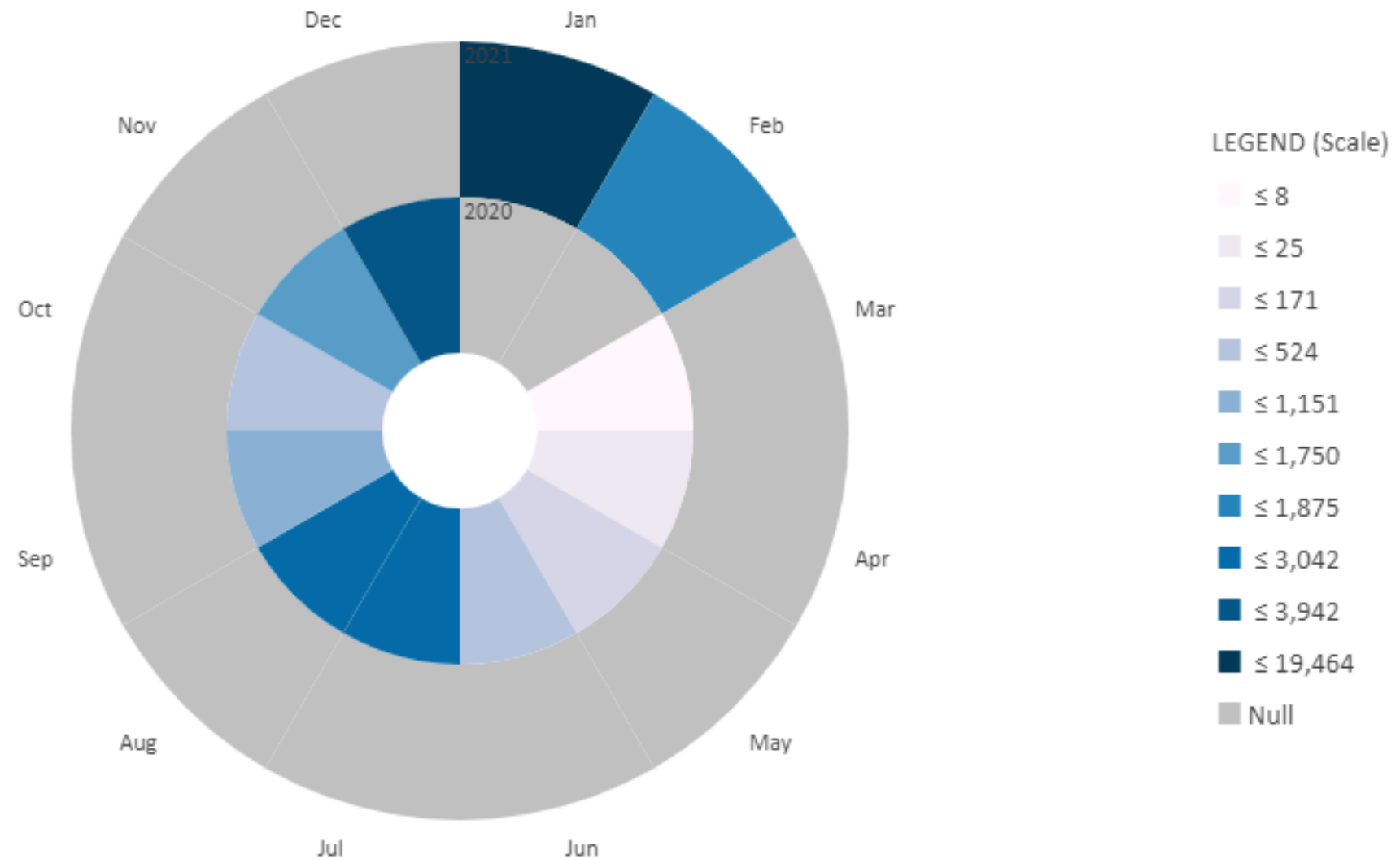
Cumulative Postive Cases, Recoveries and Deaths by Date



A cumulative plot of cases, recoveries and deaths in Zimbabwe since the onset of the pandemic in March 2020.

The cumulative curve is beginning to flatten as the gap between the total number of cases and the total number of recoveries keeps reducing on a daily basis.

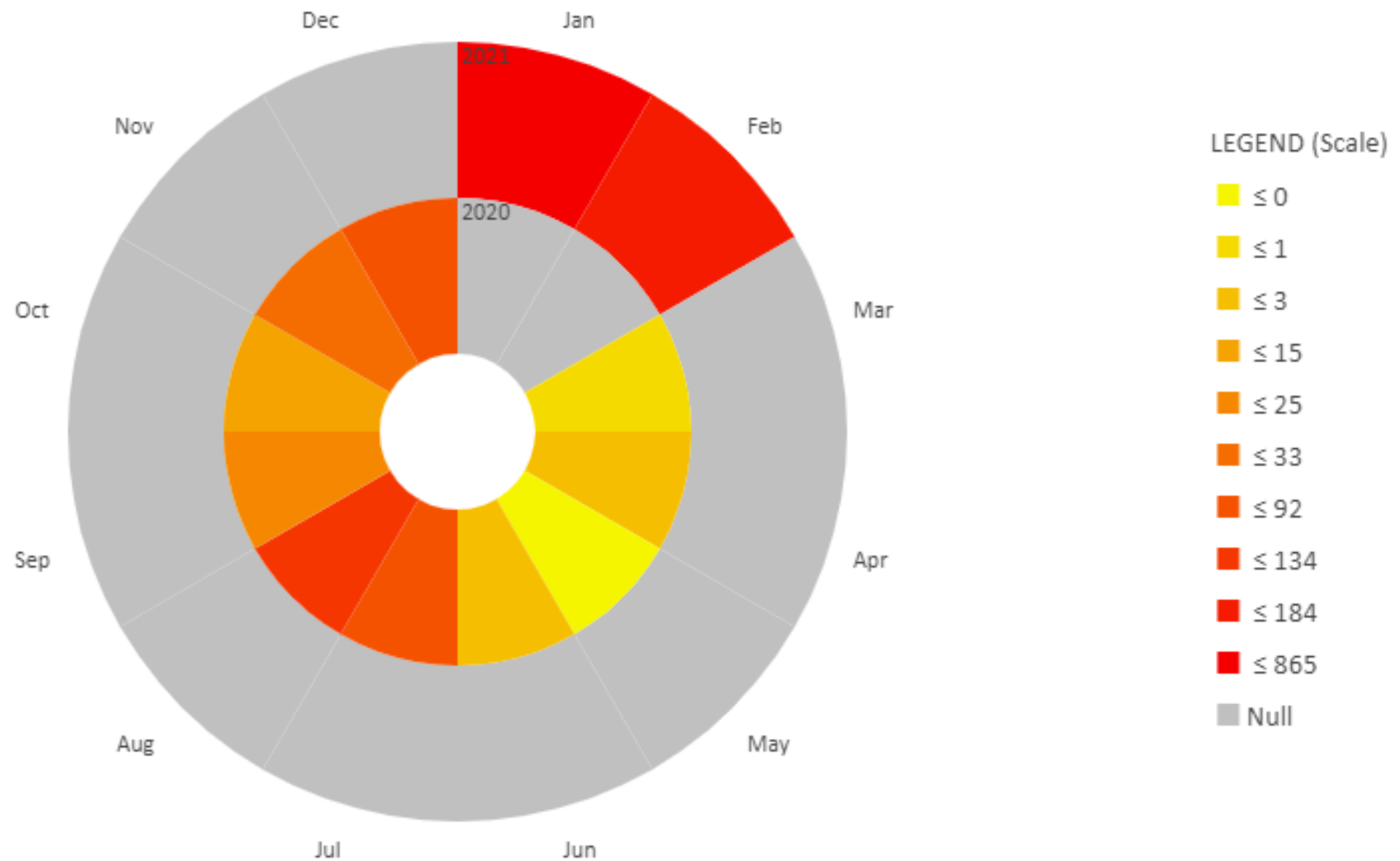
Total COVID-19 Cases Recorded Per Month in Zimbabwe



The total summation of cases recorded on a monthly basis in Zimbabwe since the onset of the pandemic in March 2020.

The country was hard hit by the pandemic in January 2021 more than ever which accumulated 19,000 cases within a month contributing to almost half of the total cases in Zimbabwe at the moment. . A surge in the number of cures was also experienced last year in July, August and in December 2020. Null value represents days in the future or days when the pandemic was not yet in Zimbabwe

Total COVID-19 Deaths Recorded Per Month in Zimbabwe



The total summation of deaths recorded on a monthly basis in Zimbabwe since the onset of the pandemic in March 2020.

Just as the cases increased, the number of deaths also increased proportionally. As seen in the previous page, January 2021 also experienced a huge surge in the number of COVID-19 related deaths in Zimbabwe. Null value represents days in the future or days when the pandemic was not yet in Zimbabwe

Recovery Ratio



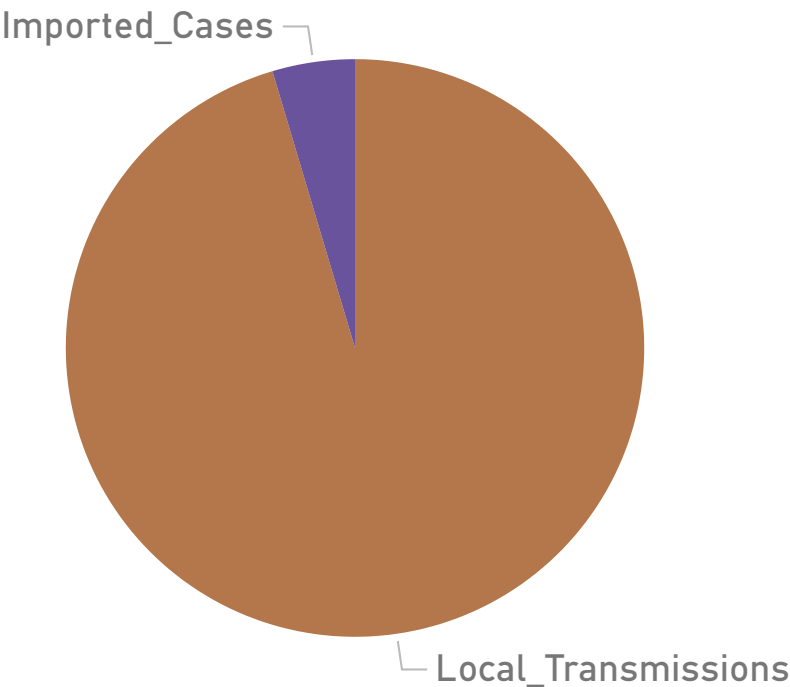
The Recoveries, Deaths and Local & Imported Case Ratios in Zimbabwe.

Total Number of Cases recorded in the country being the common denominator in the scenarios.

Deaths Ratio



Local & Imported Case Ratio



ABOUT ZIMBABWE'S VACCINATION PROGRAM

The vaccination program was officially launched on the 18th of February 2021 where the Vice President who is also the Minister of Health & Child Care of Zimbabwe received the first dosage of the COVID-19 Sinopharm vaccine which was from the People's Republic of China.

The Ministry of Health & Child Care has also announced that the vaccination program in Zimbabwe will be broken down into 3 phases. See the phases and descriptions below:

Phase 1 - population at risk

*Stage I

Frontline Workers (e.g Health Workers, Ports of Entry Personnel ZIMRA, Immigration Customs, Security and others)

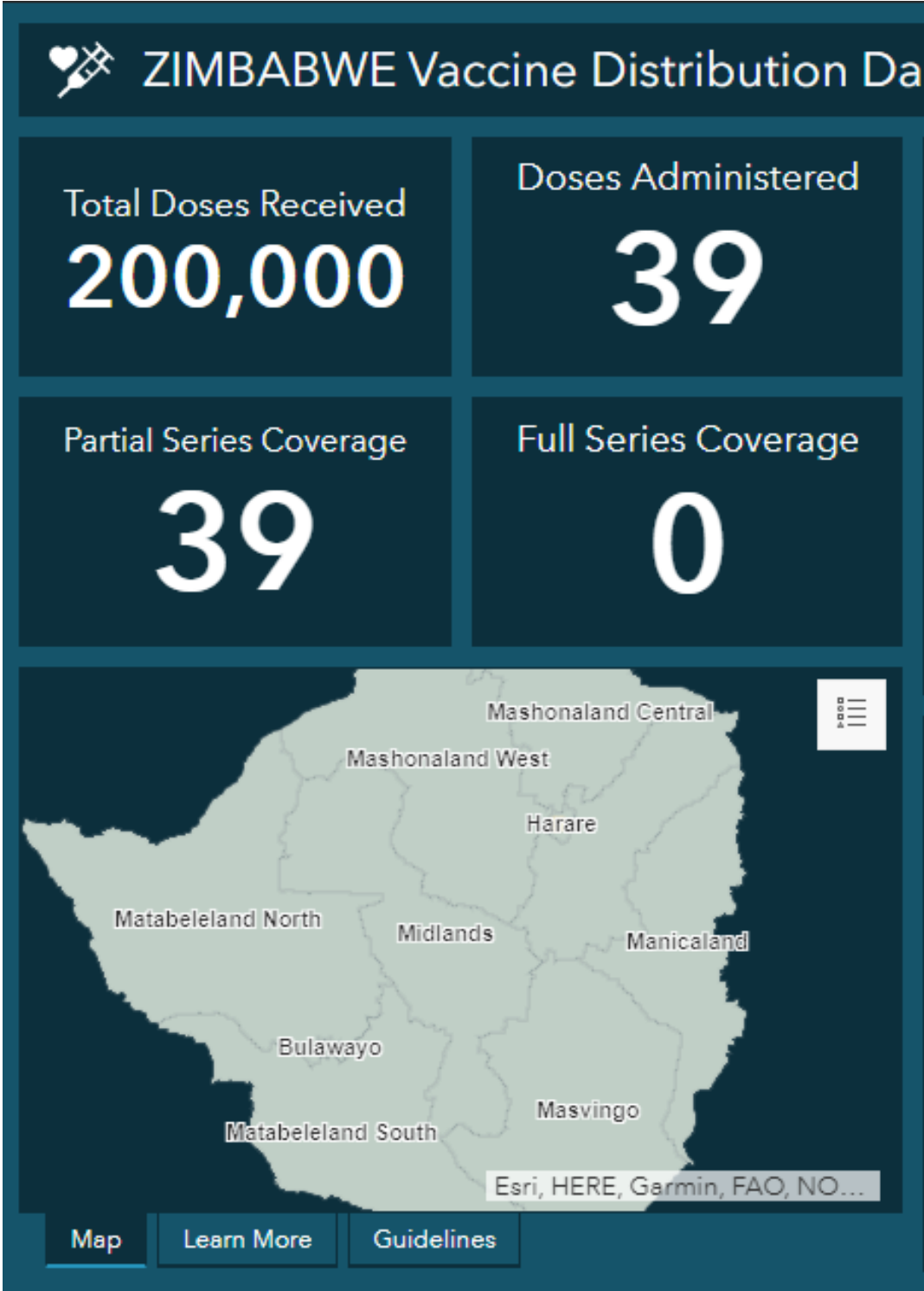
*Stage II

VHW, Chronic Illness, Elderly Population > 60 years, Inmates, Prison Population and others in confined settlements including Tongogara Refugee Camp.

Phase 2 - Lecturers, all school staff population and other staff at medium risk depending with the epidemiological picture of the disease.

Phase 3- Population at low risk.

See Dashboard statistics included as published by Ministry of Health & Child Care of Zimbabwe through their official Twitter page.



ABOUT DATA

The statistical data compiled in this report is based on the daily COVID-19 report compiled and published by the Ministry of Health & Child Care through their twitter platform. You can also verify the statistics by viewing on the Ministry of Health & Child Care website. We have also kept an online repository of COVID-19 data which is updated on a daily basis the next morning after every publication.

The data can be found using the following link: <https://github.com/African-SurveyorsConnect/Zimbabwe-COVID-19-Data>
Anyone is free to use the data for research and dissemination purposes after agreeing to the terms of usage which are stated in the README file within the online GitHub repository.

CONTACTING US

Anyone who would like to contact us can do so only through WhatsApp and Email using the details below:

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Please feel free to drop in suggestions, additions, subtractions and contributions towards the COVID-19 Data Dissemination Project for Zimbabwe.

You can also view some of the work that we do on our social media handles below:

Website: <https://africansurveyors.net>
LinkedIn: <https://www.linkedin.com/company/african-surveyors-connect>
Facebook: <https://facebook.com/AfricanSurveyors>
Twitter: https://twitter.com/africa_survey
GitHub Repository: <https://github.com/African-SurveyorsConnect/Zimbabwe-COVID-19-Data>



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