



A2: Visual Data Storytelling (ESR)

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I. Overview

In December of 2020, the first recorded COVID-19 vaccine was administered in the EURO region. The vaccine rolled-out was manufactured by Pfizer, Inc. and was largely distributed across the EURO, WPRO, AMRO, and EMRO regions. The data provided shows the outcome of the COVID-19 vaccine distribution globally as well as total confirmed recoveries and deaths across regions.

**AMRO - Region of the Americas; WPRO - Western Pacific Region ; AFRO - African Region; EMRO - the Eastern Mediterranean; SEARO - South-East Asian Region; EURO - European Region*

II. Insights

The Pfizer vaccine roll-out in SEARO and AFRO regions had only begun in 2021. Meanwhile, only 20% of the total population in the EMRO, WPRO, and AMRO regions began receiving the Pfizer vaccines in said year, with the rest of the vaccinated population having received other COVID-19 vaccine brands in 2020. WPRO records the lowest average of total recoveries despite having the highest fully vaccinated rate. AMRO records the lowest percentage of fully vaccinated individuals while averaging highest in recoveries.

Data shows that the EURO region began administering the Pfizer vaccine in early 2020 however exact dates are unrecorded. The majority of the EURO vaccinated population received the Pfizer vaccine later that year. EURO records the highest success rate of vaccines administered which may be attributed to its high recovery rate.

AMRO and SEARO, which largely received non-Pfizer vaccines, recorded the highest failure rate of vaccines administered. Data shows that the Pfizer vaccine is the only contributor to the success rate of vaccinations globally. Other non-Pfizer groups have zero (0) contribution to the vaccination success rate.

Vaccination failures of the non-Pfizer group are recorded highest in SEARO, which did not receive the Pfizer vaccines until late 2021.

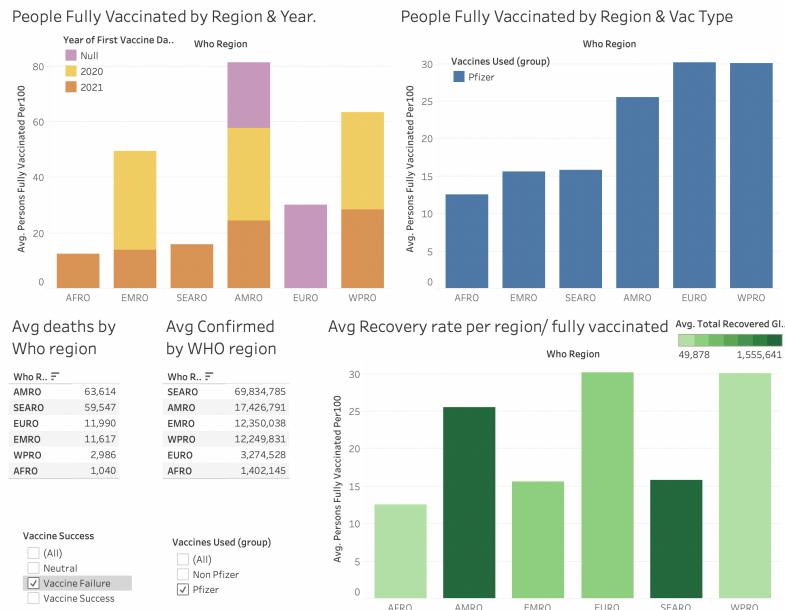
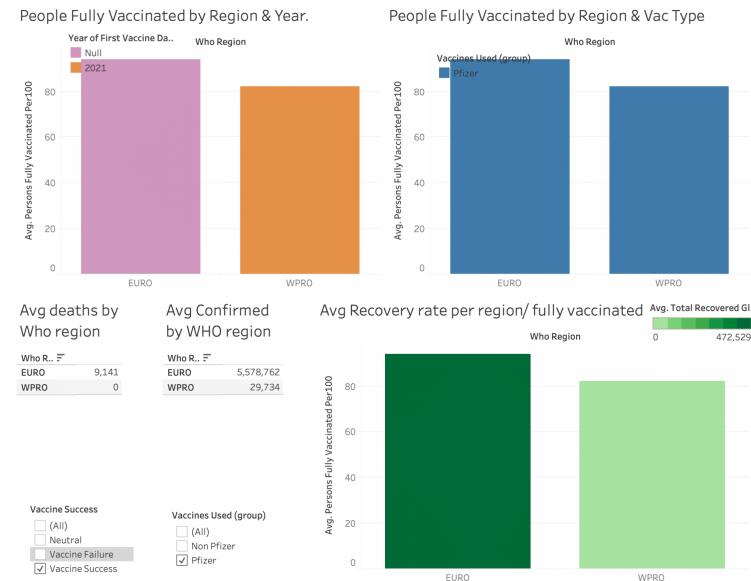
Overall the EURO region records the highest vaccine success rate among regions. It records a lower death rate when compared to the SEARO region which records the highest. Overtime, as confirmed recorded cases continue to rise, there is a significant increase in recoveries—confirming the effectiveness of the Pfizer vaccine.

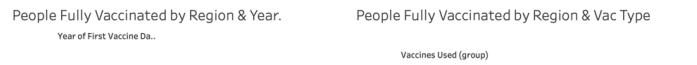
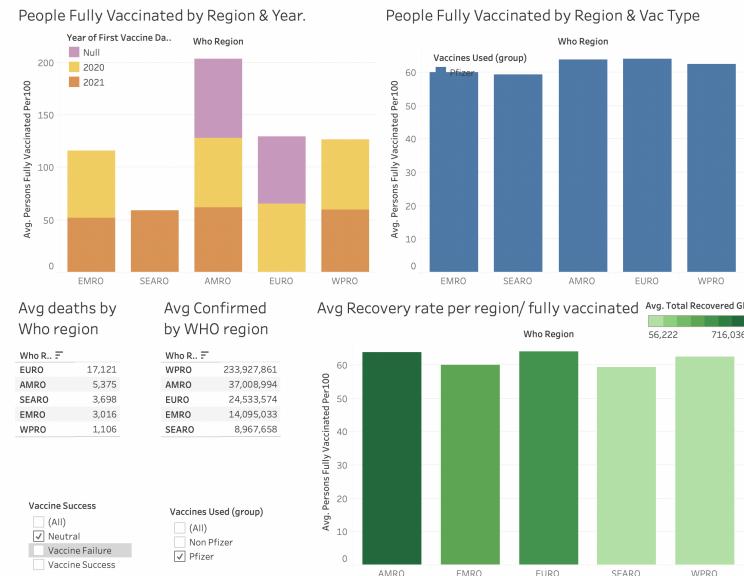
III. Recommendations

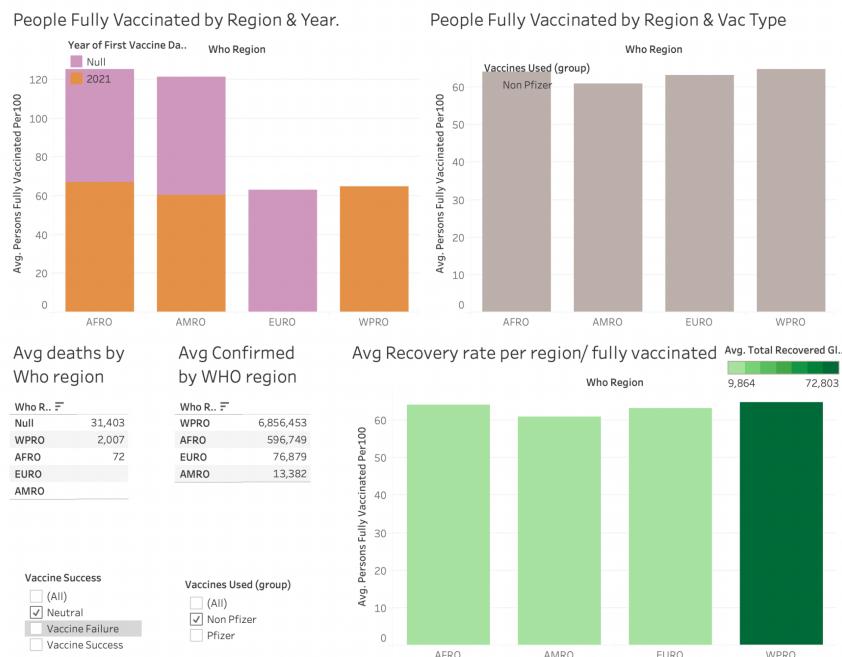
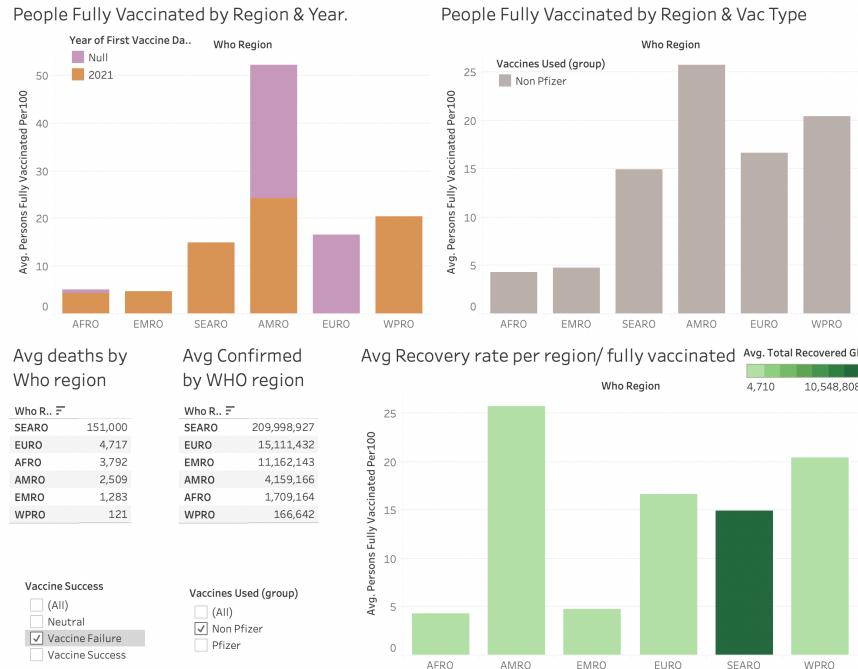
- Prioritize vaccine distribution in AMRO, SEARO, and AFRO regions to increase overall vaccination success rate of said regions.
- As recommended that the COVID-19 vaccine be administered yearly, allocation of the vaccine per region should be based on death rate, success rate, and severity of recorded cases historically of each region.

APPENDIX

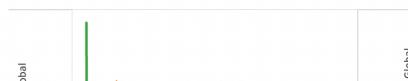








Confirmed cases vs Recovered by month



Total confirmed vs deaths by region/vaccine used



