Data Analysis
Case Study-1

Do Vaccines work for covid-19?

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Table of contents

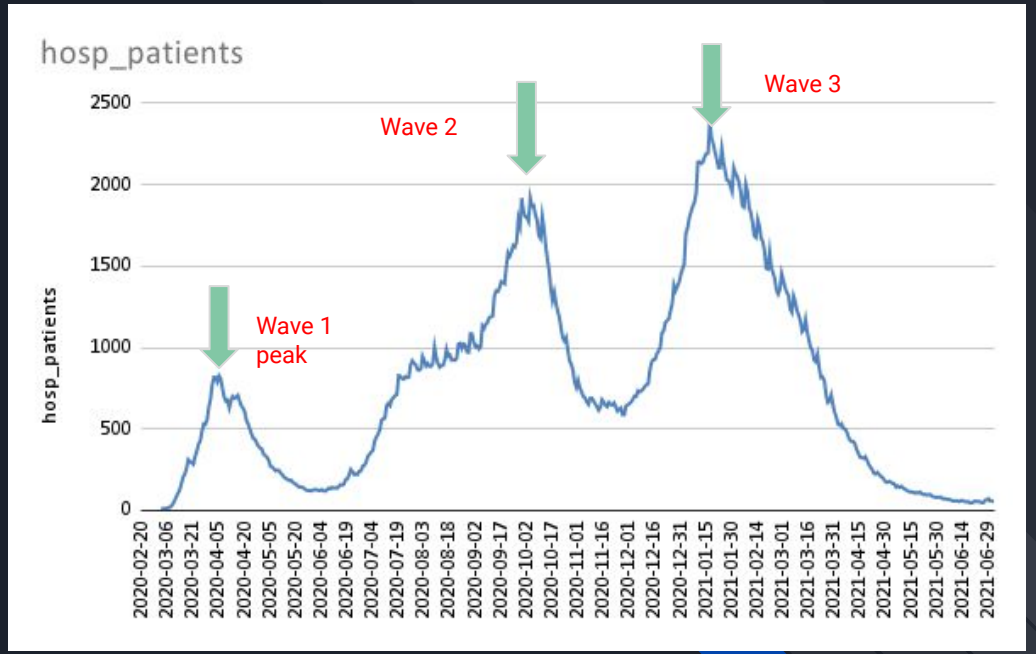
Problem Statement

Identify if vaccines reduce hospitalizations and mortality rate in case of covid-19.

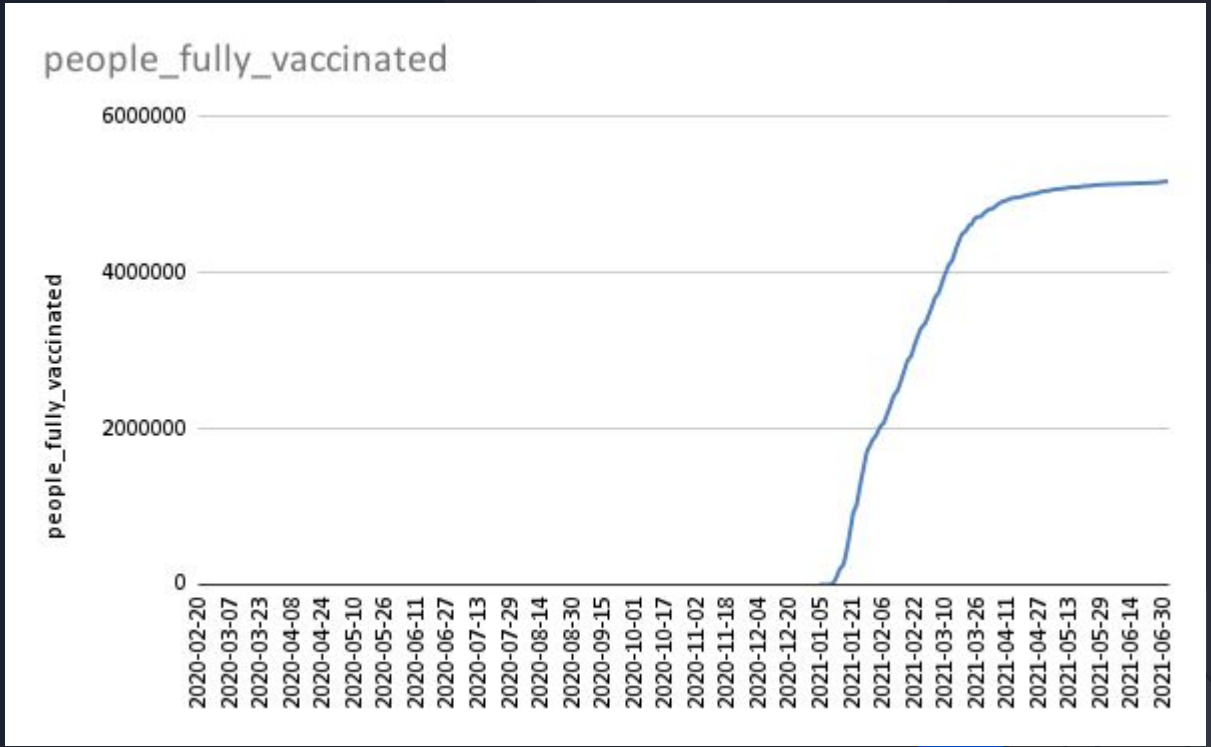
Problem Objectives

Since the pandemic is still ongoing, a country which has vaccinated a majority of its population was chosen - **Israel**

Hospitalized Patients

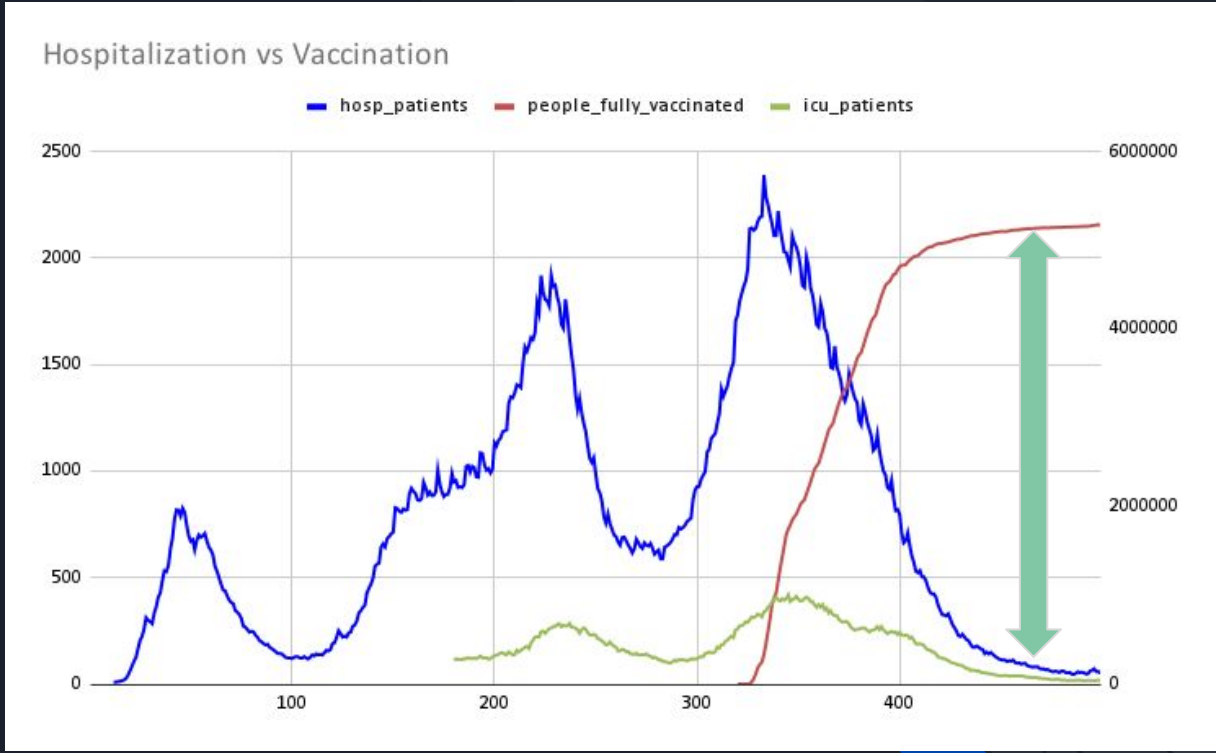


People Fully Vaccinated



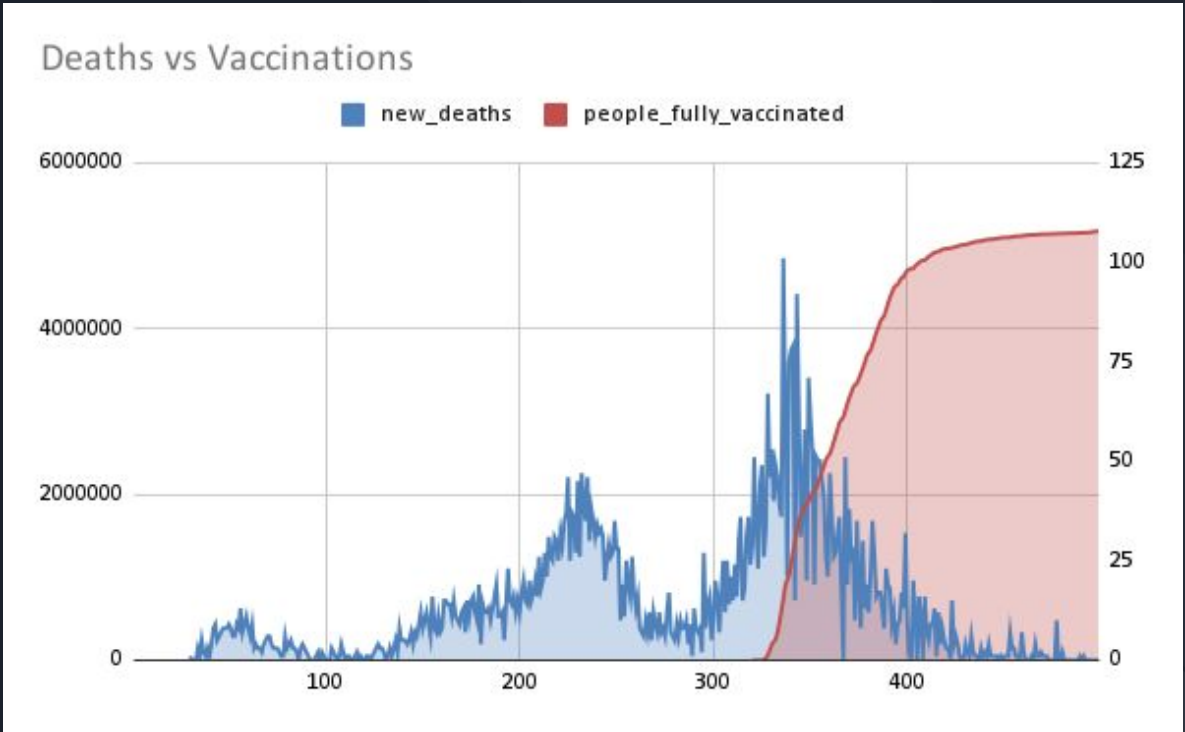
Hospitalization vs Vaccination

- Strong negative correlation between **Hospitalization instance and Vaccinations.**
- Even Stronger negative correlation between **ICU admissions and Vaccinations.**
- **Increase in Vaccinations have resulted in fewer hospital admissions.**



Death rate vs Vaccination

- Strong negative correlation between **Daily Deaths and Vaccinations.**
- **Increase in Vaccinations have resulted in fewer deaths.**



Conclusion

Conclusion

- Vaccinating people have shown that there are far fewer instances of hospitalization and death after people are fully vaccinated.
- Evidence suggests that the pandemic can be overcome if enough people are vaccinated.
- *Vaccines work

*This doesn’t take into account of variants of covid-19 and the vaccine type used

Appendix

Data Source : Our World in Data Click Here