



KSM - Maccabi Research and Innovation Center - publishes insights from real-time monitoring of Corona virus vaccination data

Vaccinated members sample, age group 60+ review

Given the great interest for data on the impact of Corona virus vaccine, Maccabi Health Services Research Center - KSM, in collaboration with KI Institute, analyzed the data of COVID-19 infection and COVID-19-related hospitalizations among the first ~50,000 vaccine recipients (vaccinated between December 19-24), ages 60+.

Our current work represents raw data without implementing statistical methods (except a moving average), allowing decision makers, researchers and the public to form initial impressions related to the Corona virus vaccine efficacy. We will be regularly updating the data on our website, as well as publishing a more in-depth statistical analysis in professional journals.

Sample group

The analysis was performed on a sample group of 50,777 Maccabi members over the age of 60, who were vaccinated during the week of December 19-24 (when the moving average is 7 days - 3 days before and 3 days after vaccination).

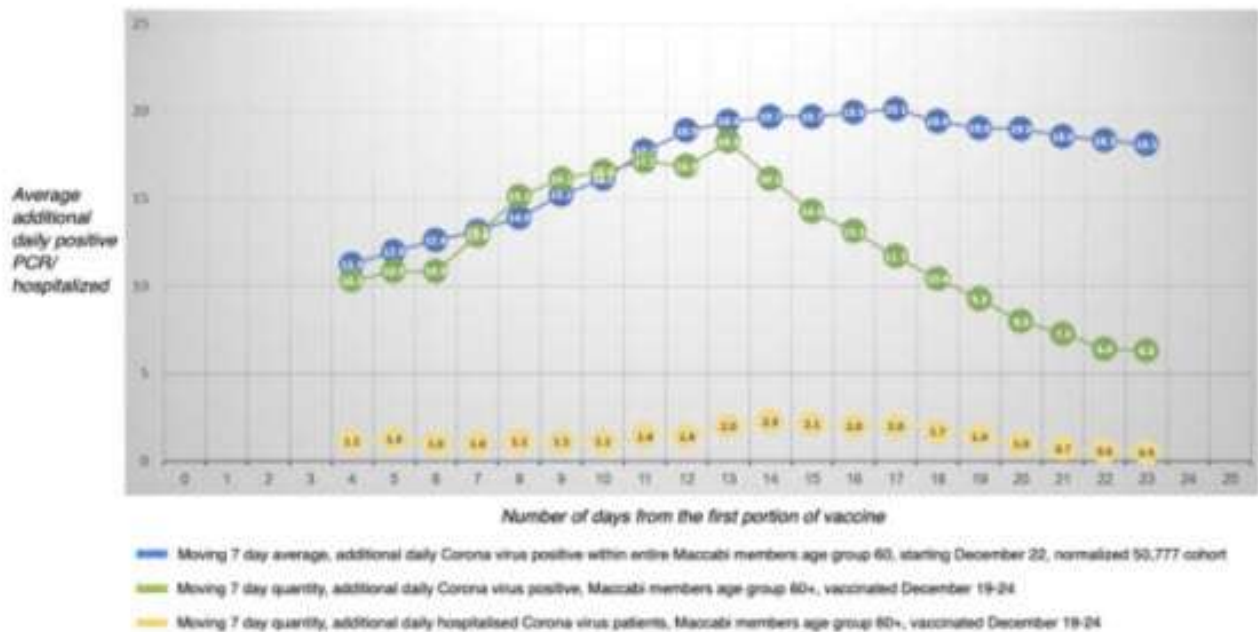
Graph Description

Green graph - represents the daily amount of newly infected vaccinated members out of the sample group (50,777 members aged 60+ who had been vaccinated between 19-24 December).

Yellow graph - represents the daily amount of newly vaccinated hospitalized members out of the sample group (50,777 members aged 60+ who had been vaccinated between 19-24 December).

Blue graph - Added as a reference, pointing to the rate of infection in the general population in the corresponding period, starting December 22, using a 7-day moving average (3 days before, up to 3 days after each date). The graph describes the number of newly verified Corona virus infections within 480,000 Maccabi members over the age of 60 (adjusted to the same sample size of 50,777). Note that the population in this graph includes the entire population of Maccabi over the age of 60, and not solely members who had not been vaccinated.

Cohort of 50,777 Maccabi members vaccinated December 19-24



Insights on the 23th day of vaccination (2 days after receiving the second dose):

- Significant decrease, within the vaccinated members aged 60+, reaching a decrease peak of ~60% of the number of newly verified
- Decrease of slightly more than 60% in the number of new hospitalized patients (although the sample here is smaller)
- Similar graphs have been published in the professional press analyzing data, using other epidemiological methods, which indicate a similar trend

We will continue to issue similar follow-up graphs, on larger sample groups, and over longer periods of time. Our goal is to release such updates in the upcoming weeks, on a weekly basis.

Our opinion is that at this level of efficiency, there should be no exemption from performing Corona tests, isolation, or the enablement of crowded gatherings, until additional convincing data is obtained. And of course continue to wear masks and keep social distancing, as recommended.