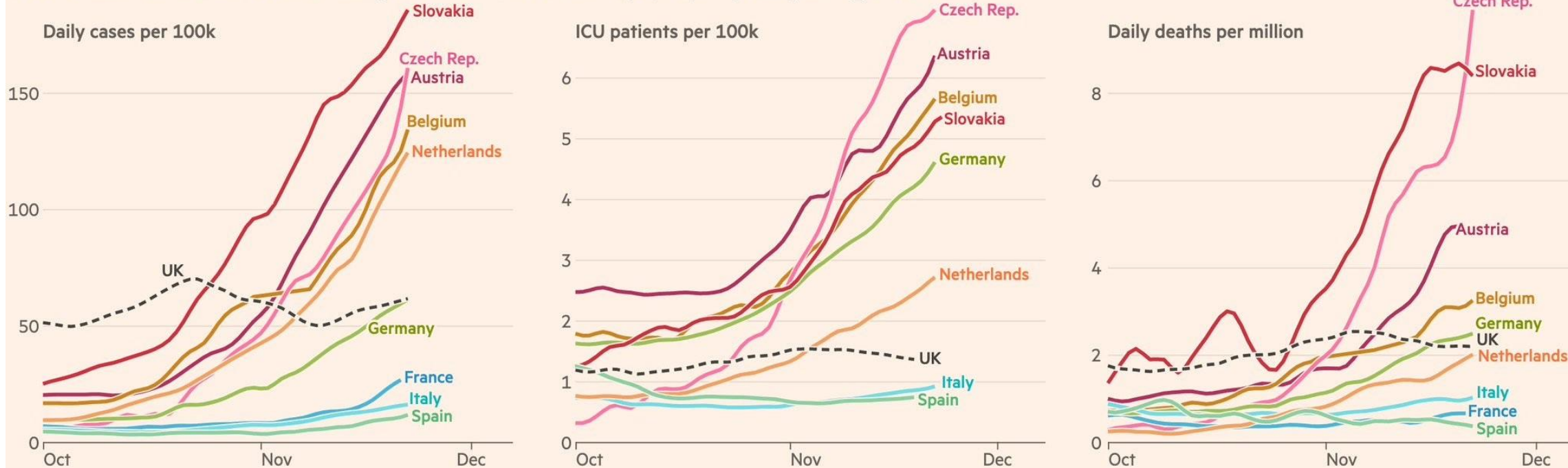


Boosters

Dr. Patrick Smits

Agentschap Zorg & Gezondheid

Covid cases and deaths are rising fast in much of Europe, rapidly outpacing the UK



Source: FT analysis of data from national health ministries

© FT

Cases and deaths Europe

Protection of BNT162b2 Vaccine Booster against Covid-19 in Israel

Yinon M. Bar-On, M.Sc., Yair Goldberg, Ph.D., Micha Mandel, Ph.D., Omri Bodenheimer, M.Sc., Laurence Freedman, Ph.D., Nir Kalkstein, B.Sc., Barak Mizrahi, M.Sc., Sharon Alroy-Preis, M.D., Nachman Ash, M.D., Ron Milo, Ph.D., and Amit Huppert, Ph.D.



Article [Figures/Media](#)

[Metrics](#)

October 7, 2021

N Engl J Med 2021; 385:1393-1400

RESULTS

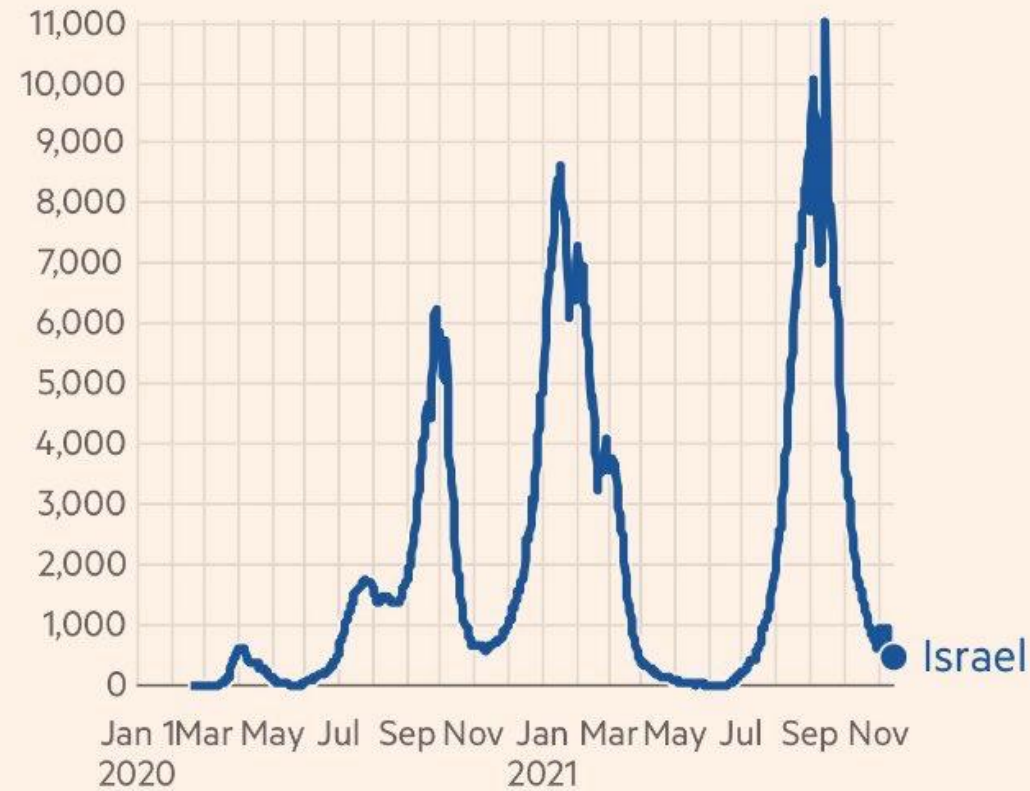
At least 12 days after the booster dose, the rate of confirmed infection was lower in the booster group than in the nonbooster group by a factor of 11.3 (95% confidence interval [CI], 10.4 to 12.3); the rate of severe illness was lower by a factor of 19.5 (95% CI, 12.9 to 29.5). In a secondary analysis, the rate of confirmed infection at least 12 days after vaccination was lower than the rate after 4 to 6 days by a factor of 5.4 (95% CI, 4.8 to 6.1).

CONCLUSIONS

In this study involving participants who were 60 years of age or older and had received two doses of the BNT162b2 vaccine at least 5 months earlier, we found that the rates of confirmed Covid-19 and severe illness were substantially lower among those who received a booster (third) dose of the BNT162b2 vaccine.

New confirmed cases of Covid-19 in Israel

Seven-day rolling average of new cases

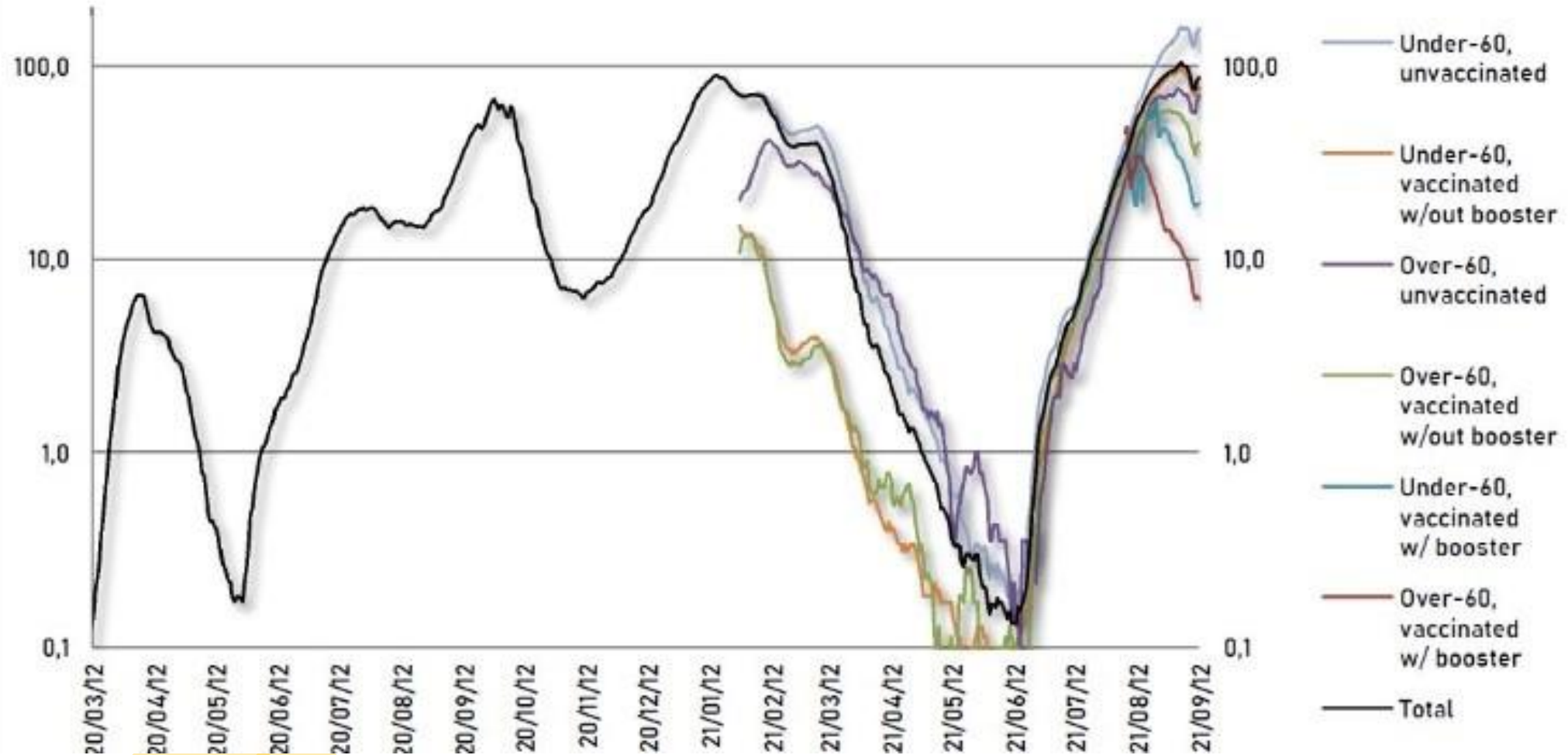


Source: Financial Times analysis of data from Johns Hopkins CSSE, World Health Organization, UK Government coronavirus dashboard, Government of Peru, Public Health France, Slovenian Ministry of Health and the Swedish Public Health Agency.

Data updated November 15 2021 4.24pm GMT. Interactive version: [ft.com/covid19](https://www.ft.com/covid19)

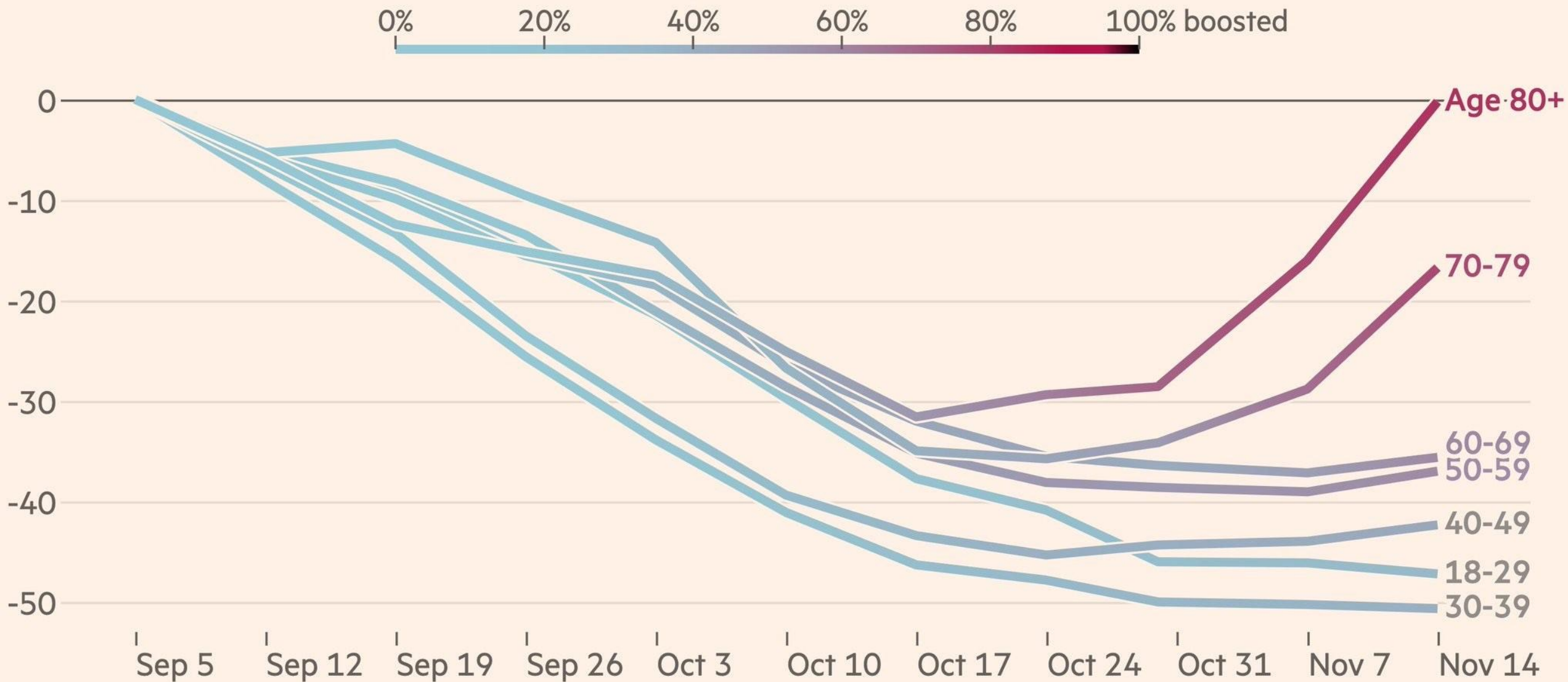
Israel: CASES by vaccination

(total, Over-60, Under-60, vaccinated w/ & w/out booster, unvaccinated, 7-day av., incidence per 100k, log)



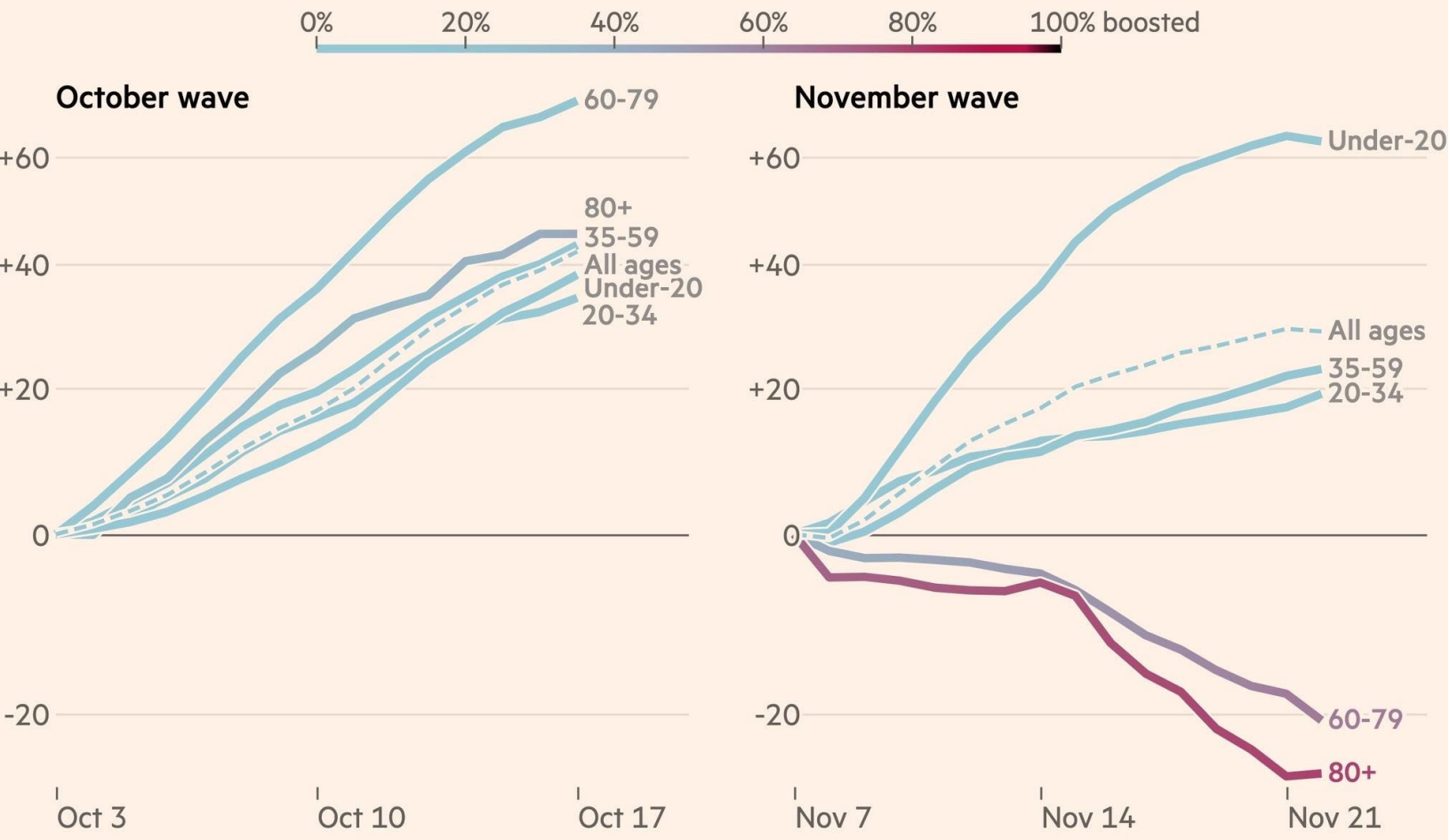
Boosters are rapidly reversing waning immunity in England

Percentage change in level of protection given by vaccines* relative to late August, by age group



Case rates in England are now falling among mostly-boosted age-groups, showing how much difference the rollout has made in just one month

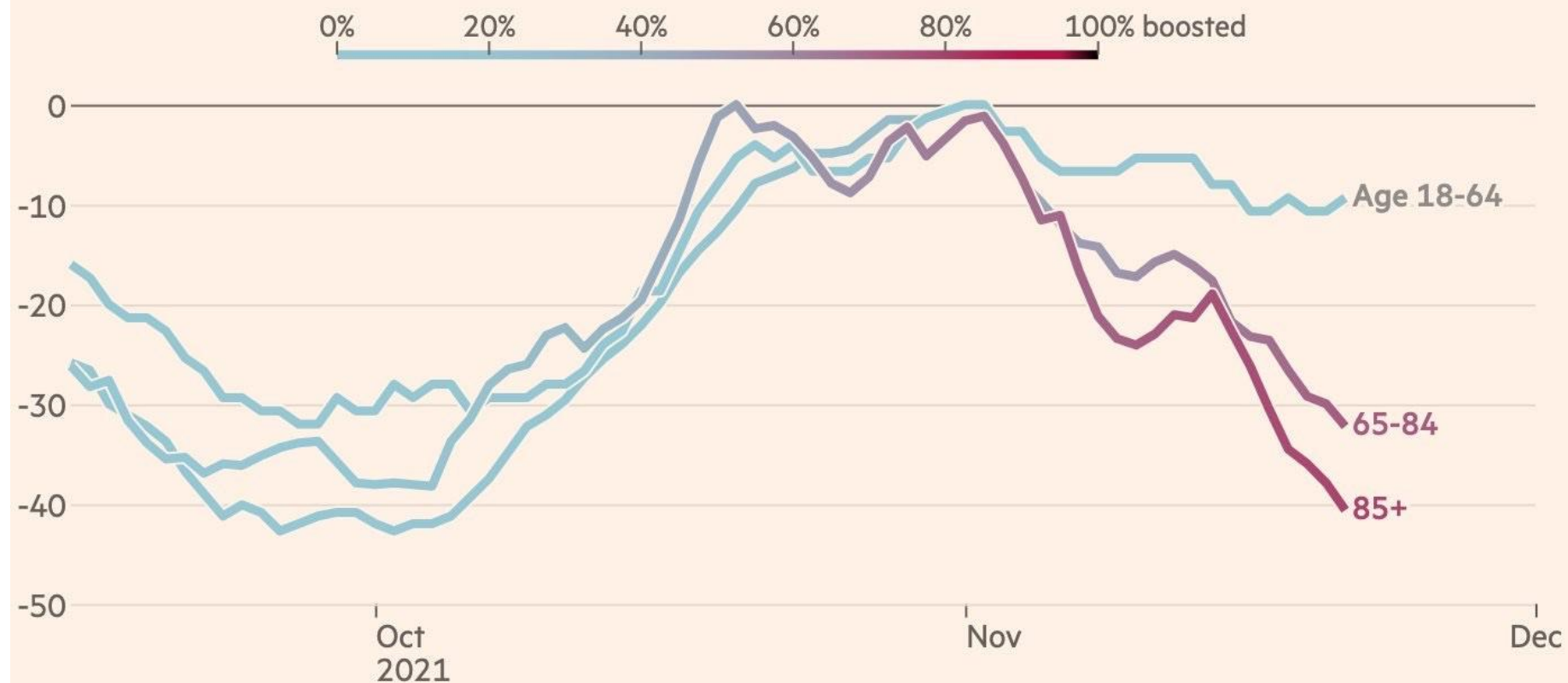
Percentage change in case rate since start of increase, by age group



Source: FT analysis of UK government Covid-19 dashboard
© FT

Hospital admissions in England are falling much faster among the mostly-boosted elderly than among younger adults

Percentage change in hospital admissions relative to late October peak, by age group

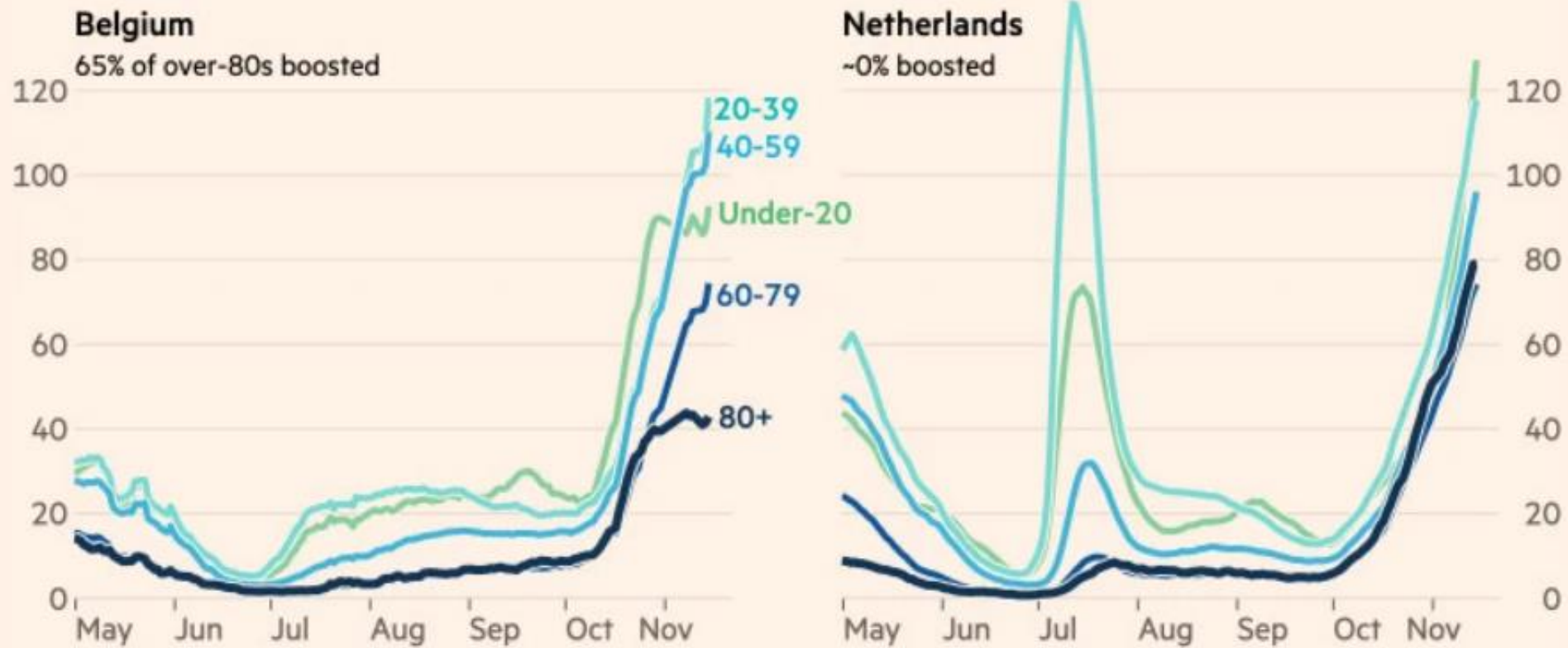


Source: FT analysis of UK government Covid-19 dashboard

© FT

Boosters are slowing the rise in cases among Belgium's elderly, but in the Netherlands where boosters only began days ago, elderly rates are surging

Daily cases per 100k people, by age group



Source: FT analysis of data from national health ministries