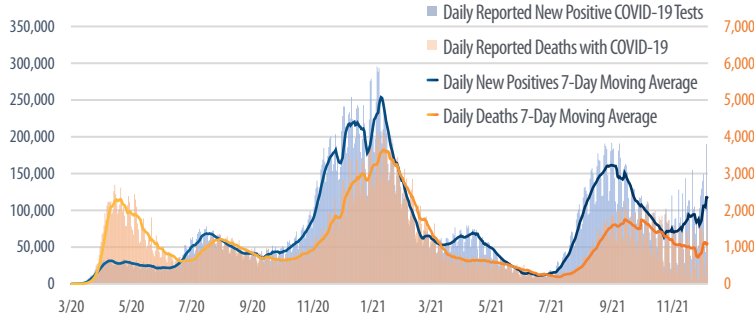


First Trust COVID-19 TRACKER

Daily Reported New Positive COVID-19 Tests vs. Daily Reported Deaths from COVID-19 in the U.S.

March 1, 2020 - December 7, 2021



Sources: CDC.gov, First Trust Advisors

Studies of Vaccine Effectiveness Against COVID-19 When Different Variants Predominated

As of September 15, 2021

Country	Population	Vaccine	Dominant Variant(s)	Vaccine Effectiveness*
Israel	Healthcare Workers	Pfizer	Alpha	65% (45-79)
United States (California)	General Population 18+	Pfizer/Moderna	Epsilon, Alpha	68% (29-86)
United States	Preprocedural Adult Patients	Pfizer/Moderna	Ancestral strain	80% (56-91)
Qatar	General Population 12+	Moderna	Delta	80% (54-93)
		Pfizer	Delta	36% (11-54)
Israel	General Population 16+	Pfizer	Alpha	92% (91-92)
Israel	General Population 16+	Pfizer	Alpha, Ancestral Strain	90% (83-94)

Sources: CDC.gov, First Trust Advisors

*The 95% Confidence Interval for the study is displayed in the parenthesis

The U.S. Department of Labor estimates **10% or more (at least \$87 billion) of the pandemic-related unemployment benefits paid out by the federal government as of September 30th were lost to "improper payments," with a "significant portion attributable to fraud."**²

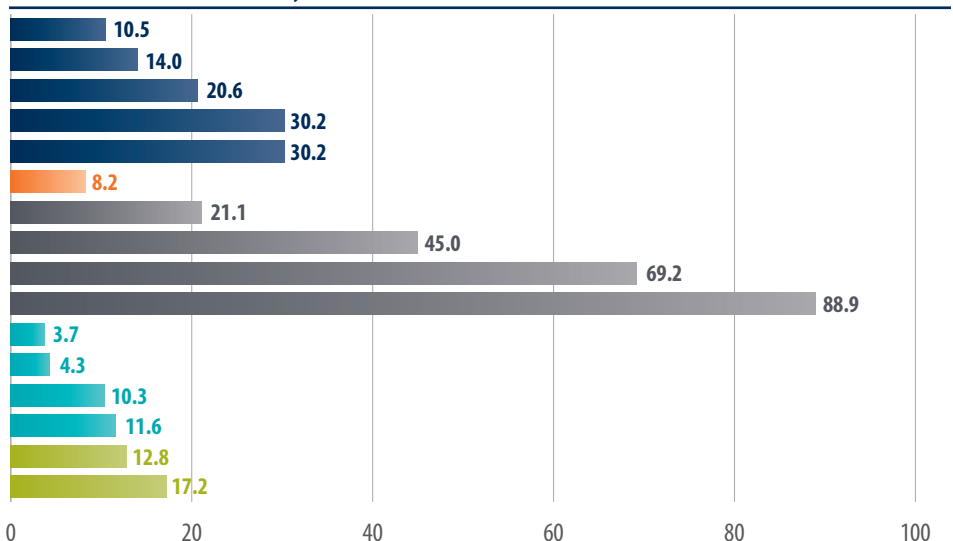
Infection Rate by Type of Immunity

Measuring period: August – September 2021

Immunity-Conferring Event	Time Elapsed From Event	
Recovered	4-6 months	
	6-8 months	
	8-10 months	
	10-12 months	
	12+ months	
Fully Vaccinated + Booster	0-2 months	
	Fully Vaccinated	0-2 months
		2-4 months
		4-6 months
		6-8 months
Recovered then Vaccinated	0-2 months	
	2-4 months	
	4-6 months	
	6-8 months	
Vaccinated then Recovered	4-6 months	
	6-8 months	

Sources: Israel Ministry of Health, Israel Institute of Technology, The Hebrew University of Jerusalem, First Trust Advisors

Infection Rate Per 100,000 Risk Days

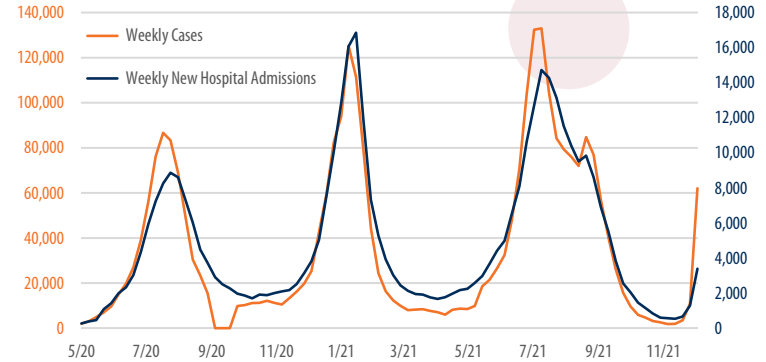


¹theguardian.com (December 4, 2021); ²cncb.com (December 2, 2021)

The World Health Organization has confirmed that despite cases being detected in at least 38 countries, there has yet to be a death linked to the Omicron variant.¹

South Africa Cases vs. Hospitalizations

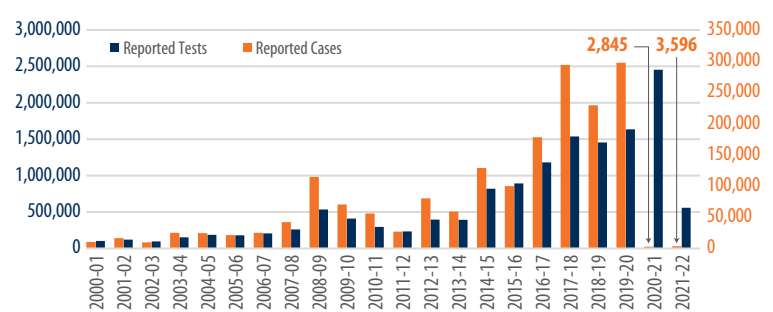
May 5, 2020 - December 4, 2021



Sources: ourworldindata.org, First Trust Advisors

U.S. Influenza Reported Tests vs. Reported Cases

As of November 20, 2021



Sources: CDC.gov, First Trust Advisors