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#### Data Insights: Covid-2019 Monitor

Friday, December 13, 2020

#### The global scorecard



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### The US scorecard

National and state-by-state data do not line up because of different sources



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

### Recommended reading

### Who Would Rig This Vote? The Fraud Was Real (and

#### Feathers Were Ruffled)

Mike Ives *New York Times* November 10, 2020

#### Joe Biden's Lockdown Lobby

*Wall Street Journal* November 12, 2020

# We Don't Need Government Mandates for Covid Vaccination

Joel M. Zinberg *Wall Street Journal* November 12, 2020

#### Covid and the Church in Delaware

*New York Times* November 12, 2020

### Covid survivors could have potentially life-threatening

allergic reaction to hair dye

Laura SharmanSarah Ward *The Mirror* November 12, 2020

#### <u>Nearly 10,000 mink dead from Covid-19 outbreak at</u> Utah fur farms

Victoria Bekiempis *The Guardian* October 11, 2020

#### The Children Never Had the Coronavirus. So Why Did They Have Antibodies?

Gina Kolata *New York Times* November 10, 2020

#### Are we overly worried about antivaxxers?

Tom Chivers *UnHerd* November 12, 2020

#### Biden Covid advisor says U.S. lockdown of 4 to 6

#### weeks could control pandemic and revive economy Will Feuer

*CNBC* November 11, 2020

### Exclusive: Europe to pay less than U.S. for Pfizer

### vaccine under initial deal: source

Francesco Guarascio *Reuters* November 11, 2020

### Meme of day



Source: Our beloved clients, and Power Line blog "The Week in Pictures"



The coronavirus <u>case</u> accelerometer... tracking the world's infection curves Share of infected population from first day with 100 confirmed cases, log scale

Source: ECDC, TrendMacro calculations



### The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality*



Source: <u>ECDC</u>, TrendMacro calculations

Requirement to <u>Open Up America Again</u>: 14-day "downward trajectory" in new cases *14-day moving average, last 14 days Most recent value displayed* • High • Low Downward trajectory Five best Upward trajectory Five worst



Source: Covid Tracking Project, TrendMacro calculations

Alt requirement to <u>Open Up America Again</u>: 14-day "downward trajectory" in pos tests *14-day moving average, last 14 days Most recent value displayed* • High • Low Downward trajectory Five best Upward trajectory Five worst



Source: Covid Tracking Project, TrendMacro calculations

### Reality-checking the models: actuals versus IHME predictions

#### New daily fatalities

Actual versus first, highest, lowest and latest model mean predictions



As of Nov 13

#### **Cumulative fatalities**

Actual versus first, highest, lowest and latest model mean predictions



Healthcare system stress, peak and ultimate estimated at each model revision



Source: ECDC, IHME, TrendMacro calculations



### From Ground Zero to the Rio Grande

Source: ECDC, TrendMacro calculations



Source: <u>ECDC</u>, TrendMacro calculations



### Patient zero... and then everyone else

Source: ECDC, TrendMacro calculations



Source: ECDC, TrendMacro calculations

## Impact in The Anglosphere



Source: ECDC, TrendMacro calculations



Source: ECDC, TrendMacro calculations

### Impact in other hot-spots



Source: ECDC, TrendMacro calculations

#### Impact in the BRICs ex-China 120,000 4.0% India As of Nov 13 3.5% 100,000 65.11 bp of population infected 8,728,795 cases cumulative 3.0% Daily new cases and deaths 0.94 bp of population fatalities +44,879 cases today 80,000 26.8 median population age 2.5% ŝ 60,000 2.0% 7-day moving average cases 1.5% Cume fatality rate 1.46° 40,000 1.0% 2-week fatality rate 1.05% 20,000 127,045 deaths cumulative 0.5% +547 deaths today 0.0% Jan 21 Feb 11 Mar 3 Mar 24 Apr 14 May 5 May 26 Jun 16 Sep 29 Oct 20 Nov 10 Dec 31 Jul 7 Jul 28 Aug 18 Sep 8 25,000 2.5% 1,858,568 cases cumulative Russia +21,608 cases today 12.86 bp of population infected 20,000 2-week fatality rate 2.08% 2.0% 0.22 bp of population fatalities Daily new cases and deaths 39.6 median population age Case 15,000 Cume fatality rate 1.72 1.5% e fatality rate 10,000 5,000 0.5% 32,032 deaths cumulative +439 deaths today 0.0% Dec 31 Jan 21 Feb 11 Mar 3 Mar 24 Apr 14 May 5 May 26 Jun 16 Jul 7 Jul 28 Aug 18 Sep 8 Sep 29 Oct 20 Nov 10 80,000 8% Brazil 70,000 7% Cume fatality rate 2.86% 272.08 bp of population infected 60,000 6% 7.76 bp of population fatalities 5,700,044 cases cumulative Daily new cases and deaths +25,012 cases today 33.5 median population age 50,000 5% 40,000 4% 2-week fatality rate 1.09% 3% rate 30,000 162,829 deaths cumulative 20,000 2% +201 deaths today 10,000 1% 0% May 5 Nov 10 Dec 31 Jan 21 Feb 11 Mar 3 Mar 24 Apr 14 May 26 Jun 16 Jul 7 Jul 28 Aug 18 Sep 8 Sep 29 Oct 20 Source: ECDC, TrendMacro calculations



### Impact in the Middle East and Africa