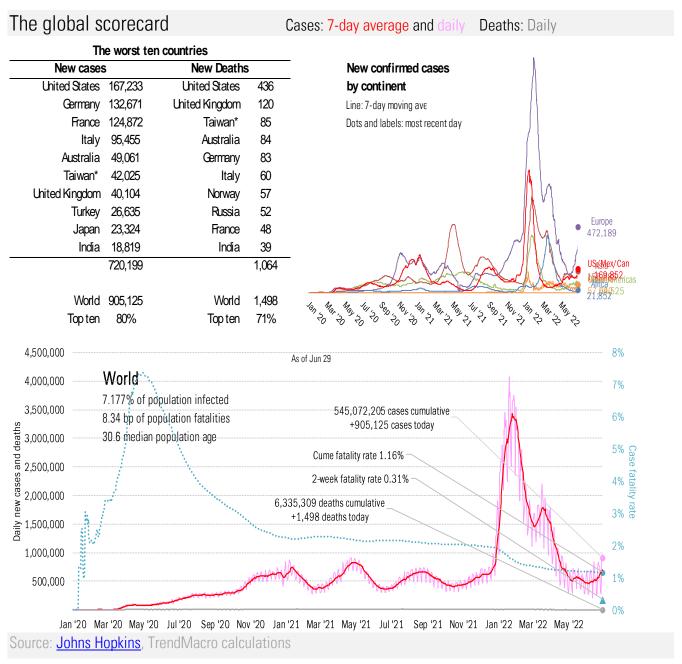


Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

#### Data Insights: Covid-2019 Monitor

Thursday, June 30, 2022

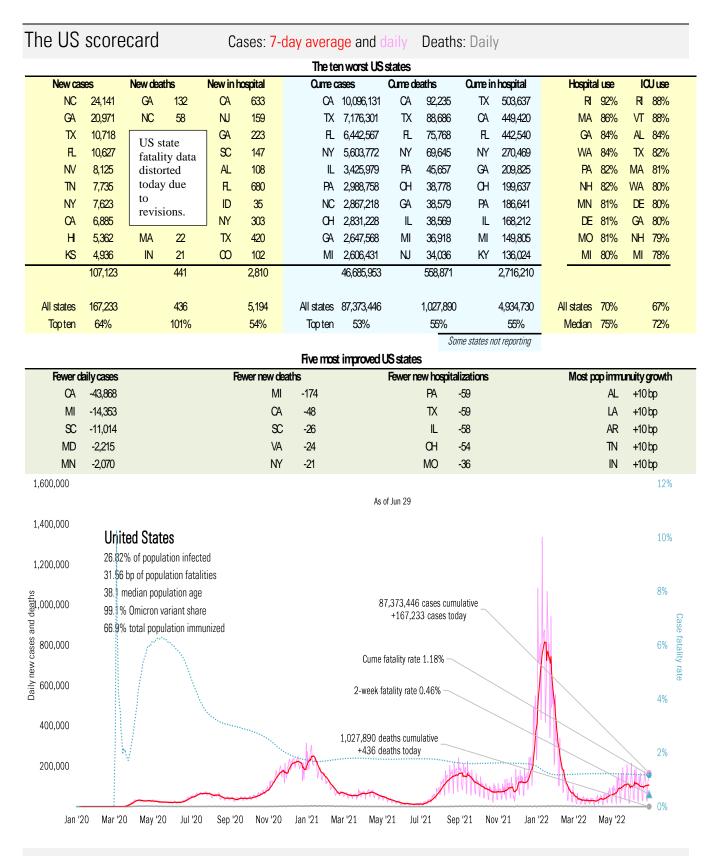


#### For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com

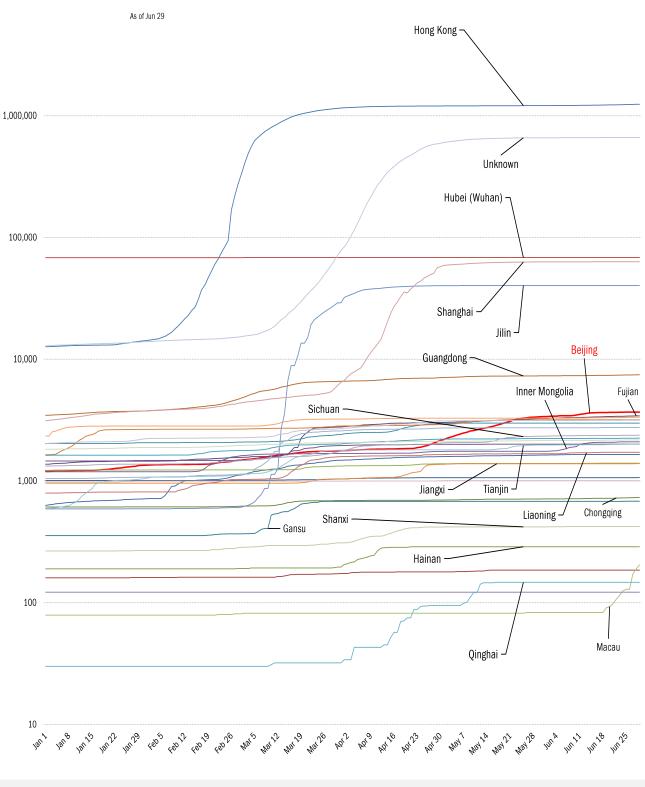
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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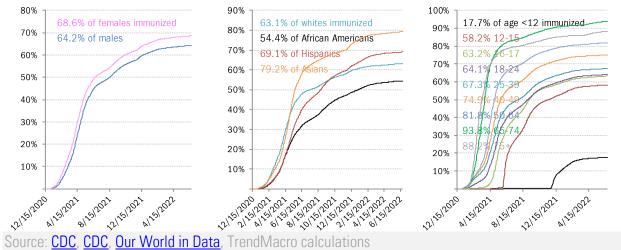
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

**China provincial** coronavirus <u>case</u> accelerometer... tracking the "zero Covid" curves *Cumulative reported cases this year, log scale: flat line indicates "zero Covid"* 

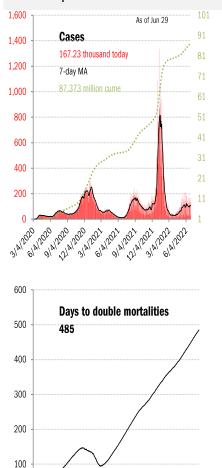


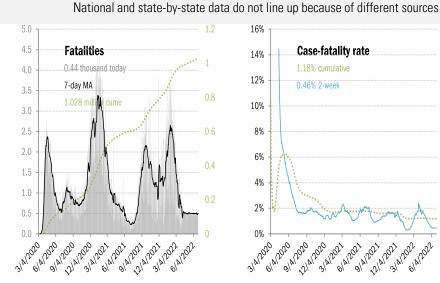
Administered    Cumulative    Today    Immunity    Full    Partial      Doses    609.306.461    +0.213 million    US    66.9%    78.1%      of which boosters    0.06.436.390    *0.054 million    UK    73.4%    78.5%      Total population    267.294.476    80%    228.488.426    68%    +0.025 million    Spain    86.7%    88.2%      Age 12 to 17    17.887.639    81%    152.2670.205    75%    +0.015 million    Haty    79.5%    77.1%      Age 65 and over    59.303.568    100%    51.846.769    95%    +0.005 million    Haty    79.4%    84.2%      Age 65 and over    59.303.568    100%    51.846.769    95%    +0.005 million    Haty    72.2%      Jaan    Altast partial immunity    as * population    as * population    84.4%    82.8%    86.2%      Vitrammenty* two dose    Vitrammenty*    NU    As of ulm 23    87.2%    86.3%    86.2%      Go 29%    Go 10%    NN    NN    NN </th <th colspan="13">Rolling out the vaccines in the US and the world <u>Updates weekly on Friday</u></th>	Rolling out the vaccines in the US and the world <u>Updates weekly on Friday</u>												
Dases of which boosters    609,306,461    +0.213 million    US    66.9%    78.1%      of which boosters    106,436,940    +0.054 million    UK    73.4%    80.8%      Total population    267,294,476    80%    228,468,426    68%    +0.029 million    Spain    86.7%    88.2%      Age 12 to 17    17,887,639    71%    15,225,94    61%    +0.009 million    Germany    75.5%    77.4%    84.2%      Age 65 and over    59,303,568    100%    51,846,769    95%    +0.006 million    Australia    84.0%    86.7%      J&J    3%    State    Middle    **    **    **    US    Genamy    75.5%    72.9%      JAG    At least partial immunity as % population    Fate    Middle    **    **    State    33.3%    87.2%    89.5%    Gerbaid audiffee due baues, mig      AK    70.2%    At least partial immunity as % population    Total minuity    **    Middle    **    **    86.2%    Gerbaid audiffee due baues, mig    *	U U										•		
of which boosters    106,436,940    K    K    H<											US		78.1%
One    One    One    One    One    Prane    % Pop    New immune dots    % France    78.4%    80.3%      Total population    267.294.476    80%    228,468,426    66%    +0.029 million    Spain    86.7%    88.2%      Age 18 to 64    17.9,463,763    88%    152,670,205    75%    +0.015 million    Ital    79.4%    84.2%      Age 65 and over    59,303,568    100%    51,846,769    95%    +0.006 million    Hat    72.2%      J&J    Age 55 and over    59,303,568    100%    51,846,769    95%    +0.006 million    Hats    72.2%      J&J    At least partial immunity as % population    Finance    Finance    87.2%    Japan    81.2%    23.8%      AK    70.2%    % population    Finance    Finance    Finance    87.2%    Japan    81.2%    82.3%      702.2%    65.9%    65.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      70.2%    65.5%	of which boosters												
Total population    267,294,476    80%    228,468,426    68%    +0.029 million    Spain    86.7%    88.2%      Age 12 to 17    17,9,87,633    71%    15,325,994    61%    +0.002 million    taily    77.1%      Age 55 and over    59,303,568    100%    51,846,799    95%    +0.015 million    Hally    72.9%    Australia    84.2%    66.1%    72.2%    Canada    83.3%    87.2%    Japa 18.12%    82.3%    Japa 18.12%    82.3%    Japa 18.12%    82.3%    Japa 18.12%    86.7%    Israel    66.1%    72.2%    Canada    83.3%    87.2%    Japa 18.12%    86.2%    Canada    83.3%    87.2%    Japa 18.12%    86.2%    Canada    86.2%					% Pop Imr		nune	% рор			France	78.4%	
Age 12 to 17  17,887,639  71%  15,325,994  61%  +0.002 million  Germany  75.5%  71.1%    Age 65 and over  59,303,568  100%  51,846,769  95%  +0.015 million  4.015 million  4.017 m	Total population						228,468,426				-		
Åge 18 to 64    179,463,763    88%    152,670,205    75%    +0.015 million    Italy    79.4%    84.2%      Åge 65 and over    59,303,568    100%    51,846,769    95%    +0.006 million    Australia    84.0%    86.7%      J&J    3%    State    Immunity    Immunity    88.0%    152,670,205    95%    +0.006 million    Australia    84.0%    86.7%      J&J    State    Immunity    Immunity    Immunity    Immunity    84.2%    23.8%    Immunity    82.3%    87.2%    Immunity    82.3%    86.2%    China    87.2%    89.5%    Gold    Go					71%		15,325,994		+0.002 million			75.5%	
Âge 65 and over    59,303,568    100%    51,846,769    95%    +0.006 million    Australia    84.0%    86.7%      J&J 3%    J&J 3%    State    Best    State    Canada    83.3%    87.2%      Moderna 38%    FPizer    State    Best    Middle    State    83.3%    87.2%      AK    Taleast partial immunity as % population    Middle    Ferre    Ferre    83.3%    87.2%      AK    70.2%    Span    State    Middle    State													
J&J 3% Modema 38%    State    Best    State    Best    At least partial immunity as % population Full immunity as % population    Best    Middle    At rica    82.3%    87.2%    Japan    81.2%    82.3%      AK 70.2% 62.9%    Full immunity as % population    Middle    Worst    Middle    86.1%    72.2%    82.5%    82.3%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    86.2%    78.8%    80.4%    89.9%    91.6%    80.4%    89.4	Age 65 ar										Australia	84.0%	86.7%
3%    Canada    83.3%    87.2%      Modema    State    At least partial immunity as % population    Best    Middle    Atrica    18.4%    23.3%      AK    To 2%    Spopulation    Full immunity    Worst    State    Middle      **    **    Worst    Worst    State    Middle      **    **    Worst    State    Middle    State      **    **    Win    As of Jan 23    State    State      **    **    Win    As of Jan 23    State    State      **    **    Win    As of Jan 23    State    State      **    **    **    **    WE    State      **    Middle    State    State    State    State    State      **    Main Modema    State    State    State    State    State      **    Main Modema    State    State    State    State    State      OR    NV	-	-		,,									
Modems 38%    State    Best      At least partial immunity as % population    Middle    At least partial immunity as % population    At least partial immunity as % % population    At least partial	3% Moderna 38% Pfizer 59% At least as 9 Fu as 9 Fu as 9 "Immunity										Canada		
Moderna 38%    Pfizer 59%    State Inticast partial immunity as % population    Dest Middle    Middle      AK 70.2% 62.9%			<b>0</b> 1 1		_								
38%    Prize 59%    At least partial immunity as % population    Middle      Full immunity as % population    Middle    N    N    N    N    N    Brazi    72.9%    Brazi    72.9%    Brazi    72.9%    Brazi    78.8%    86.2%    China    87.2%    89.5%      70.2%    **mmunity - two doses    Wort    N    N    As of Jun 23    Global data differs due to sources, teming      **mmunity - two doses    Wort    ND    MN    IL    Mi    NY    VT    NH      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      78.5%    76.0%    58.3%    62.5%    63.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI <t< td=""><td colspan="2">State</td><td>Best</td><td>t</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			State		Best	t							
Middle    Middle    Brazil    78.8%    86.2%    China    87.2%    89.5%    60.2%    China    87.2%    89.5%    60.2%    Global data differs due to sources, timing      V    **mmunity* = two doses    Wir    As of Jun 23    As of Jun 23    Global data differs due to sources, timing      V    **mmunity* = two doses    Wi    As of Jun 23    ME    91.6%      62.9%    WA    ID    MT    ND    MN    L    MI      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      82.8%    76.0%    58.5%    57.3%    55.9%    62.5%    65.6%    85.5%    87.4%    76.4%    89.6%      70.2%    61.4%    51.3%    62.5%			At least partial immunity										
Was    Full immunity as % population    Worst    China    87.2%    89.5%      70.2%    "immunity" = two doses    WI    As of Jun 23    Global data diffees due to sources, timing      62.9%    "immunity" = two doses    WI    As of Jun 23    ME    91.6%      62.9%    Global data    MT    ND    MN    IL    MI    90.9%    94.4%    80.4%      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      72.2%    61.4%    51.3%    62.5%    56.6%    55.5%    87.3%    95.0%    95.0%      72.8%    72.5% <td< td=""><td colspan="2"></td><td>Midd</td><td>le</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>					Midd	le							
AK    as % population    Worst    Global data differs due to sources, timing      70.2%    "Immunity" - two doses    WI    As of Jun 23    ME      72.3%    66.1%    72.3%    66.1%    72.3%      66.1%    TS2.3%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      0R    NV    WY    SD    IA    IN    0H    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    56.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WU    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.6%    57.8%    58.1%			Full immunity										
MA    ID    MT    ND    MN    IL    MI    NY    VT    NH      82.9%    WA    ID    MT    ND    MN    IL    MI    90.9%    94.4%    89.4%      73.1%    55.8%    67.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      0R    NV    WY    SD    IA    IN    0H    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    65.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    65.5%    86.5%    87.3%    95.0%    95.0%      72.8%    64.6%    70.8%    64.1%    56.6% </td <td colspan="2"></td> <td>Wor</td> <td>st</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					Wor	st							
62.9%    72.3%    72.3%    72.3%    91.6%      WA    ID    MT    ND    MN    IL    MI    NY    VT    NH      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    56.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    64.1%    56.6%    57.8%    58.1%    74.0%    76.4% <td colspan="2"></td> <td></td> <td></td> <td>WI</td> <td></td> <td>As of Jun 23</td> <td></td> <td>[</td> <td>ME</td> <td>Ī</td>							WI		As of Jun 23		[	ME	Ī
WA    ID    MT    ND    MN    IL    MI    NY    VT    NH      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    56.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    65.5%    86.5%    87.3%    95.0%    95.0%      72.8%    64.6%    70.8%    67.3% <td colspan="2"></td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
WA    ID    MT    ND    MN    IL    MI    NY    VT    NH      81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    56.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    65.5%    86.5%    87.3%    95.0%    83.7%      72.8%    64.6%    70.8%    62.5% <td></td> <td></td> <td colspan="2"></td> <td></td> <td></td> <td colspan="2"></td> <td></td> <td></td> <td></td>													
81.4%    62.2%    65.8%    66.1%    75.6%    76.3%    67.4%    90.9%    94.4%    89.4%      73.1%    55.8%    57.3%    55.9%    69.7%    69.1%    60.6%    77.7%    81.9%    71.5%      OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    56.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    55.8%    58.1%    74.0%    80.1%    83.7%      72.8%    64.6%    70.8%    67.3%    62.6%    55.6%    68.3%    95.0%    84.0%      62.3%    71.9%    62.5%    55	]	WA	ID	MT	ND	MN		MI		NY	VT		
73.1%  55.8%  57.3%  55.9%  69.7%  69.1%  60.6%  77.7%  81.9%  71.5%    0R  NV  WY  SD  IA  IN  0H  PA  NJ  MA    78.5%  76.0%  58.5%  77.6%  68.3%  62.5%  63.6%  85.9%  91.2%  95.0%    70.2%  61.4%  51.3%  62.5%  62.4%  56.4%  58.8%  69.4%  76.4%  79.9%    CA  UT  CO  NE  MO  KY  WV  VA  MD  CT  RI    82.8%  72.5%  80.0%  70.8%  66.7%  66.6%  65.5%  86.5%  87.3%  95.0%  95.0%    72.8%  64.6%  70.8%  66.7%  62.6%  55.1%  74.0%  84.0%  83.7%    74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    74.1%  88.9%  71.7%  61.5%  60.0%  63.2%  66.0%  66.0%  66.2%  70.2%  70.9%  70.9%							76.3%						
OR    NV    WY    SD    IA    IN    OH    PA    NJ    MA      78.5%    76.0%    58.5%    77.6%    68.3%    62.5%    63.6%    85.9%    91.2%    95.0%      70.2%    61.4%    51.3%    62.5%    62.4%    58.8%    69.4%    76.4%    79.9%      CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    65.5%    86.5%    87.3%    95.0%    95.0%      72.8%    64.6%    70.8%    66.7%    66.6%    57.8%    58.1%    74.0%    80.1%    83.7%      72.8%    64.6%    70.8%    64.1%    56.6%    57.8%    58.1%    74.0%    80.1%    83.7%      74.1%    88.9%    73.0%    67.3%    65.6%    62.4%    57.6%    76.2%    70.0%      HI    74.1%    88.9%    73.0%    61.5%													
78.5%  76.0%  58.5%  77.6%  68.3%  62.5%  63.6%  85.9%  91.2%  95.0%    70.2%  61.4%  51.3%  62.5%  62.4%  56.4%  58.8%  69.4%  76.4%  79.9%    CA  UT  CO  NE  MO  KY  WV  VA  MD  CT  RI    82.8%  72.5%  80.0%  70.8%  66.7%  66.6%  65.5%  86.5%  87.3%  95.0%  95.0%    72.8%  64.6%  70.8%  66.1%  56.6%  58.1%  74.0%  76.4%  80.1%  83.7%    AZ  NM  KS  AR  TN  NC  SC  DC  DE    74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    HI    MK  MS  AL  GA  GA  71.7%  71.7%  61.5%  51.6%  55.3%  76.0% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PA</td><td></td><td></td><td></td><td>1</td></t<>									PA				1
70.2%  61.4%  51.3%  62.5%  62.4%  56.4%  58.8%  69.4%  76.4%  79.9%    CA  UT  CO  NE  MO  KY  WV  VA  MD  CT  RI    82.8%  72.5%  80.0%  70.8%  66.7%  66.6%  65.5%  86.5%  87.3%  95.0%  95.0%    72.8%  64.6%  70.8%  64.1%  56.6%  57.8%  58.1%  74.0%  76.4%  80.1%  83.7%    AZ  NM  KS  AR  TN  NC  SC  DC  DE    74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    HI  K  K  LA  MS  AL  GA  GA  FL  PR    88.1%  73.9%  53.9%  52.2%  51.6%  55.3%  FL  PR    78.9%  74.2%  Y4.2%  Y4.2%  Y4.2%													
CA    UT    CO    NE    MO    KY    WV    VA    MD    CT    RI      82.8%    72.5%    80.0%    70.8%    66.7%    66.6%    65.5%    86.5%    87.3%    95.0%    95.0%      72.8%    64.6%    70.8%    64.1%    56.6%    57.8%    58.1%    74.0%    76.4%    80.1%    83.7%      AZ    NM    KS    AR    TN    NC    SC    DC    DE      74.1%    88.9%    73.0%    67.3%    62.6%    85.6%    68.3%    95.0%    84.0%      62.3%    71.9%    62.5%    55.0%    55.0%    62.4%    57.6%    76.2%    70.0%      HI    K    K    A    MS    AL    GA    K													
72.8%  64.6%  70.8%  64.1%  56.6%  57.8%  58.1%  74.0%  76.4%  80.1%  83.7%    AZ  NM  KS  AR  TN  NC  SC  DC  DE    74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    HI    MK  MS  AL  GA  63.2%  66.0%    88.1%    57.9%  53.9%  52.2%  51.6%  55.3%  55.3%  55.3%    88.1%   TX   TX  FL  PR    78.9%   74.2%   Y  Y  80.0%  95.0%				CO								RI	Ī
72.8%  64.6%  70.8%  64.1%  56.6%  57.8%  58.1%  74.0%  76.4%  80.1%  83.7%    AZ  NM  KS  AR  TN  NC  SC  DC  DE    74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    HI    MK  MS  AL  GA  63.2%  66.0%    88.1%    57.9%  53.9%  52.2%  51.6%  55.3%  55.3%  55.3%    88.1%   TX   TX  FL  PR    78.9%   74.2%   Y  Y  80.0%  95.0%		82.8%	72.5%	80.0%	70.8%	66.7%	66.6%	65.5%	86.5%	87.3%	95.0%	95.0%	
AZ    NM    KS    AR    TN    NC    SC    DC    DE      74.1%    88.9%    73.0%    67.3%    62.6%    85.6%    68.3%    95.0%    84.0%      62.3%    71.9%    62.5%    55.0%    55.0%    62.4%    57.6%    76.2%    70.0%      62.3%    71.9%    62.5%    55.0%    60.0%    63.2%    66.0%    71.7%    61.5%    60.0%    63.2%    66.0%    71.7%    71.7%    53.9%    52.2%    51.6%    55.3%    71.7%    71.7%    71.7%    61.5%    60.0%    71.7%    71.7%    71.7%    53.9%    52.2%    51.6%    55.3%    71.7%		72.8%					57.8%	58.1%	74.0%		80.1%	83.7%	
74.1%  88.9%  73.0%  67.3%  62.6%  85.6%  68.3%  95.0%  84.0%    62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    62.3%  71.9%  62.5%  55.0%  62.4%  57.6%  76.2%  70.0%    HI  71.7%  61.5%  60.0%  63.2%  66.0%  55.3%  55.3%    88.1%  TX  TX  TX  FL  PR    78.9%  74.2%  F1  57.6%  50.0%  50.0%	,		1										8
62.3%  71.9%  62.5%  55.0%  55.0%  62.4%  57.6%  76.2%  70.0%    OK  LA  MS  AL  GA			74.1%	88.9%		67.3%		85.6%	68.3%	95.0%	84.0%		
OK    LA    MS    AL    GA      71.7%    61.5%    60.0%    63.2%    66.0%      57.9%    53.9%    52.2%    51.6%    55.3%      88.1%    TX    74.2%    FL    PR      78.9%    74.2%    FI    80.0%    95.0%													
71.7%  61.5%  60.0%  63.2%  66.0%    57.9%  53.9%  52.2%  51.6%  55.3%    88.1%  TX  FL  PR    78.9%  74.2%  Image: Second													
HI  57.9%  53.9%  52.2%  51.6%  55.3%    88.1%  TX  FL  PR    78.9%  74.2%  FI  80.0%  95.0%													
88.1%    FL    PR      78.9%    74.2%    80.0%    95.0%	HI												
78.9% 80.0% 95.0%										FL	1 [	PR	Ī
67.0%					62.2%					67.6%		83.6%	

#### The demographics of US vaccination

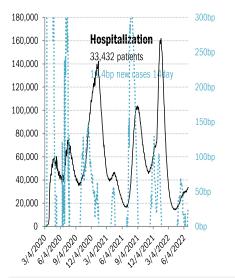


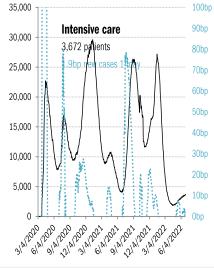
#### US deep-dive

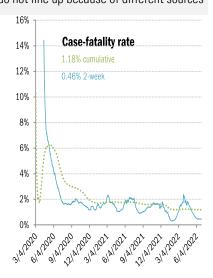


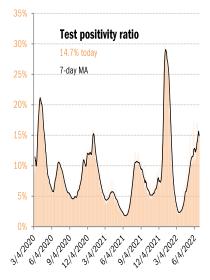


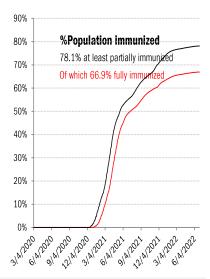




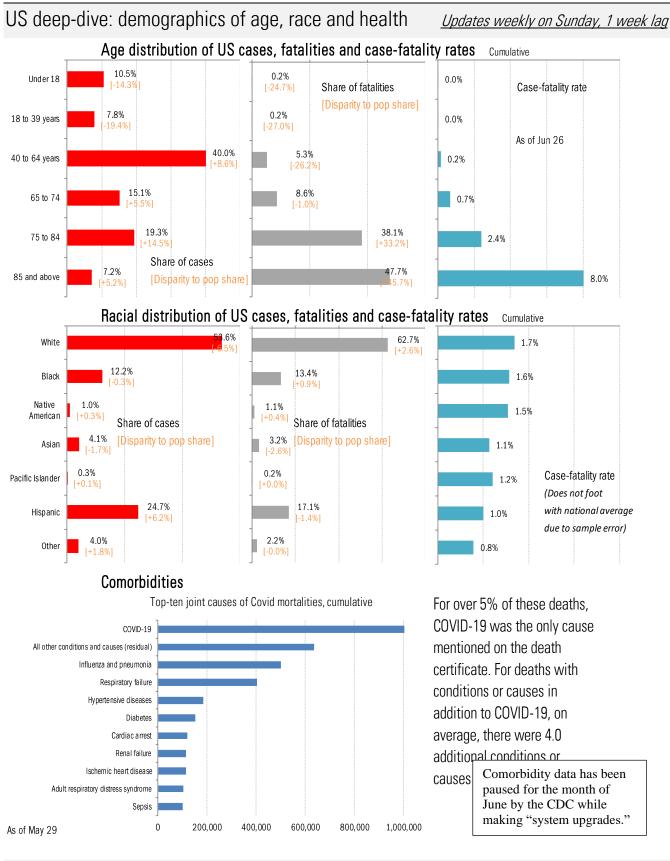








Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



Source: Distributions <u>CDC</u>, Comorbidities <u>CDC</u>, TrendMacro calculations

#### Recommended reading

#### The case for the lab-leak theory

Matt Ridley *Spiked* June 27, 2022

#### Sen. Cruz Slams PBS, HBO for Using Elmo to Push COVID Vaccines to Those Under 5

Solange Reyner *Newsmax* June 29, 2022

#### U.S. Supply of Effective Covid Antibody Drug Dwindling

Stephanie Armour and Liz Essley Whyte *Wall Street Journal* June 29, 2022

#### Meme of the day

## Fauci Suffers Covid Symptom Rebound After Course of Pfizer's Paxlovid

Riley Griffin *Bloomberg* June 29, 2022

#### How COVID has deepened inequality — in six stark graphics Saima May Sidik

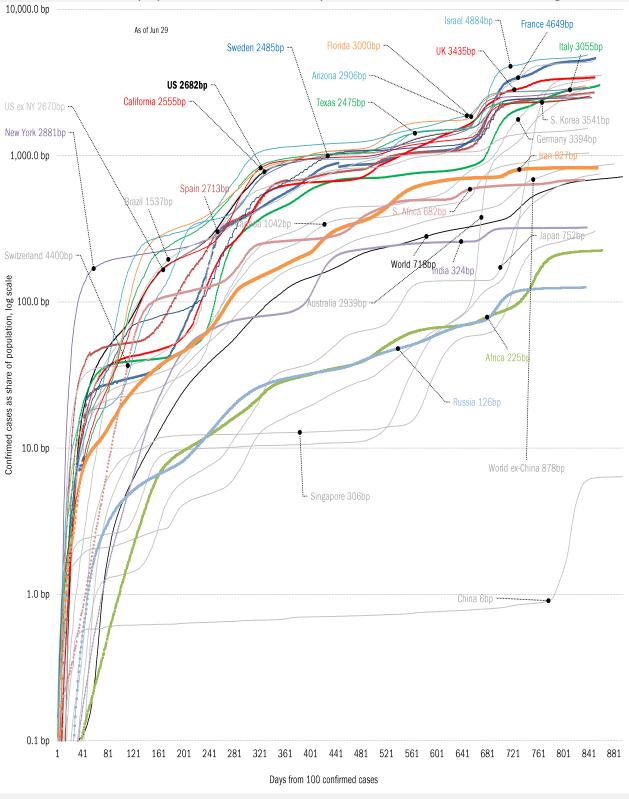
*Nature* June 22, 2022



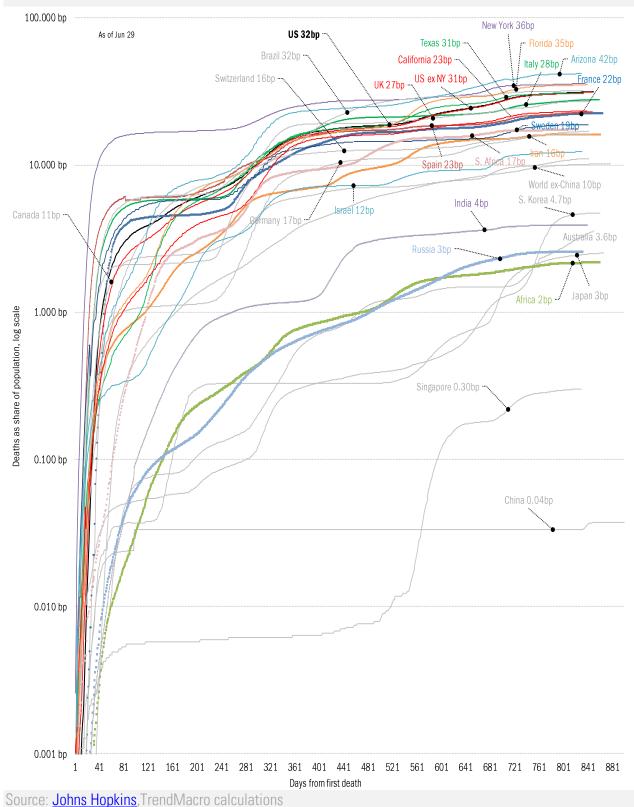
# Elmo Dies Of Myocarditis After Receiving COVID Vaccine

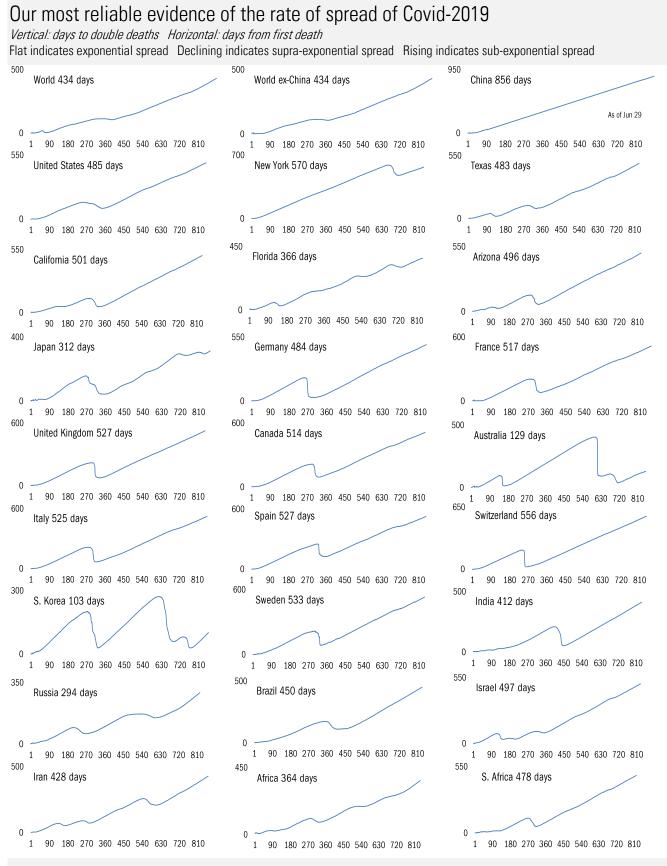
Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

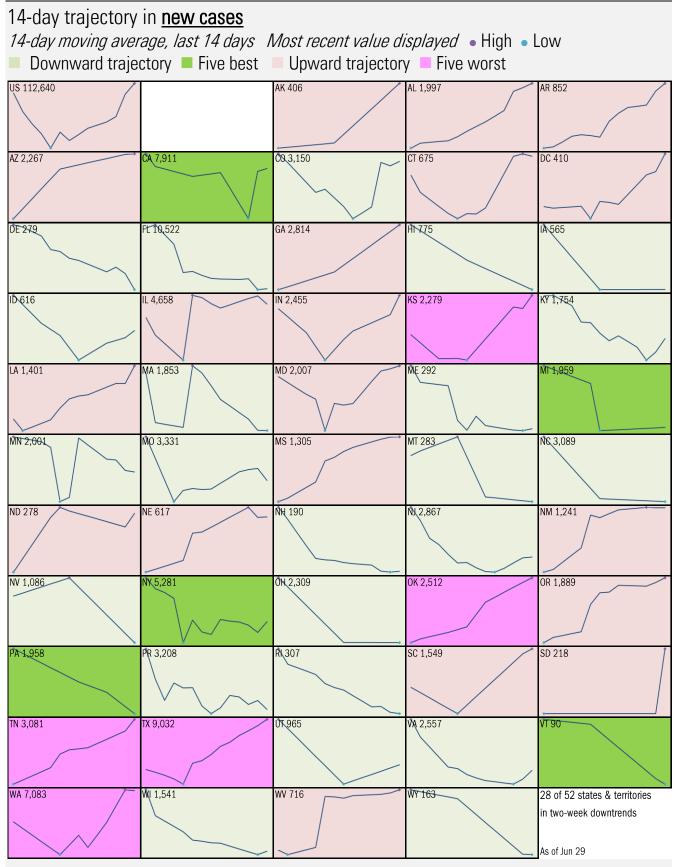
### The global coronavirus <u>case</u> accelerometer... tracking the world's infection curves Share of infected population from first day with 100 confirmed cases, log scale

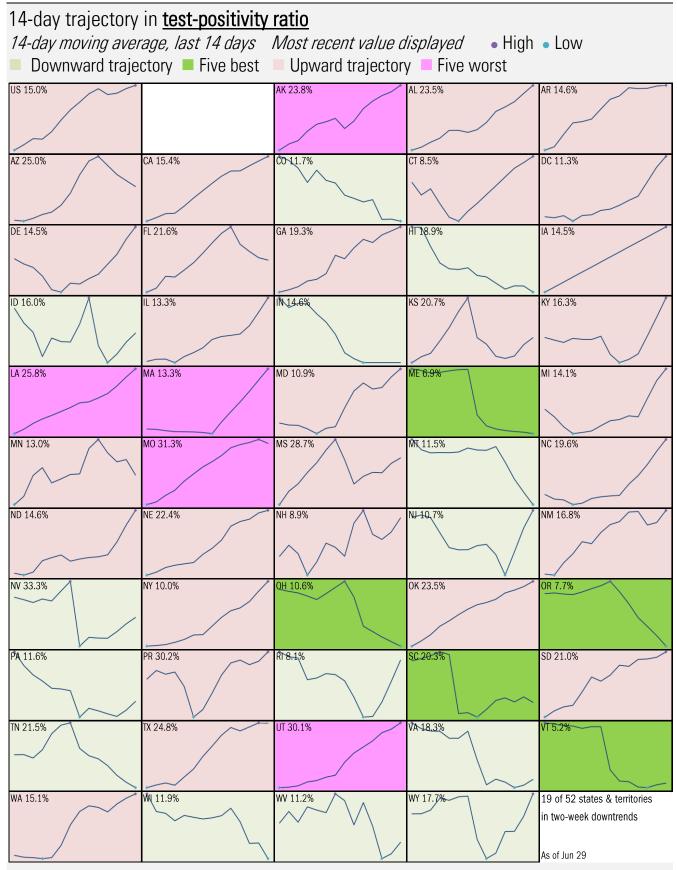


# The global coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality, log scale*





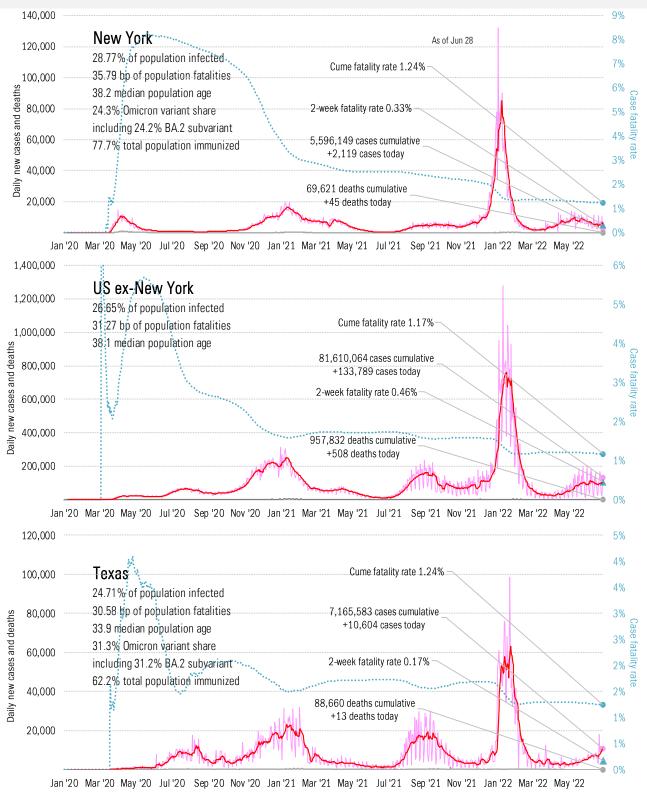




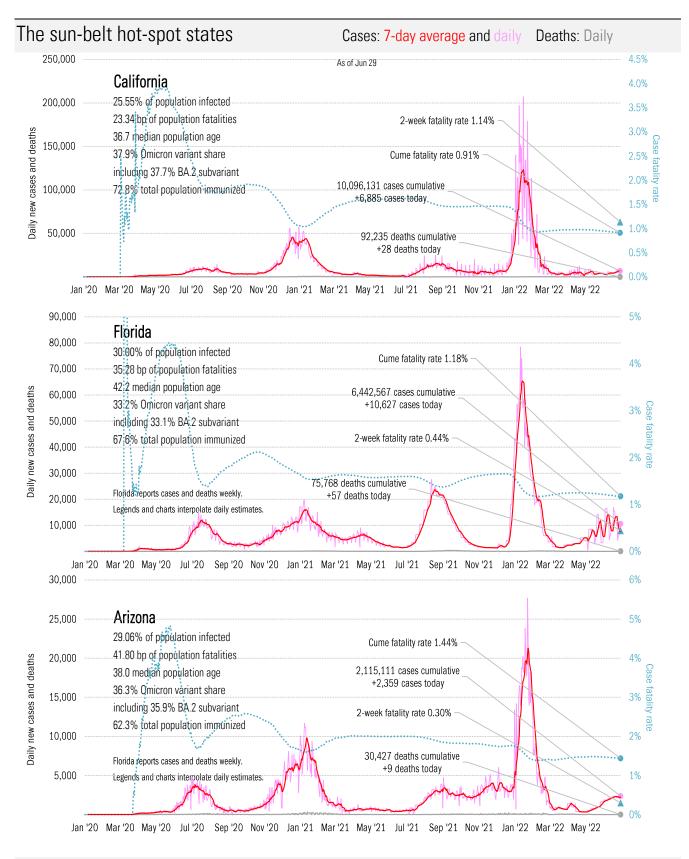
Source: Covid Act Now, TrendMacro calculations

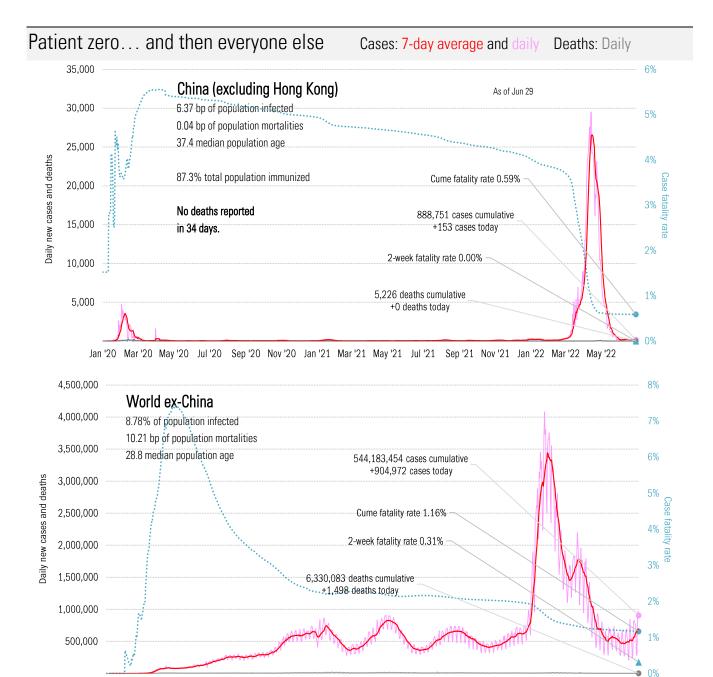
From Ground Zero to the Rio Grande

Cases: 7-day average and daily Deaths: Daily

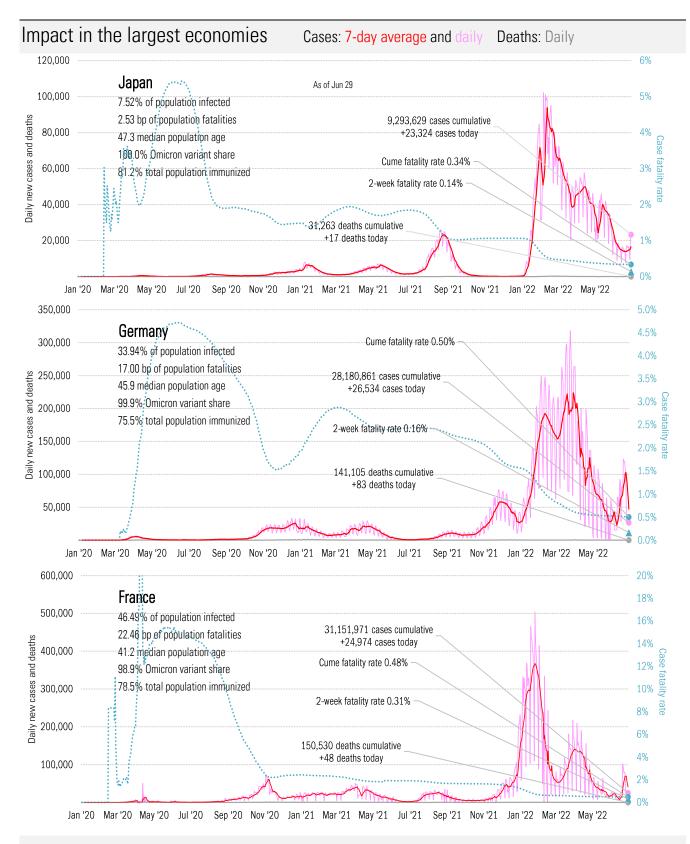


Source: Johns Hopkins, TrendMacro calculations



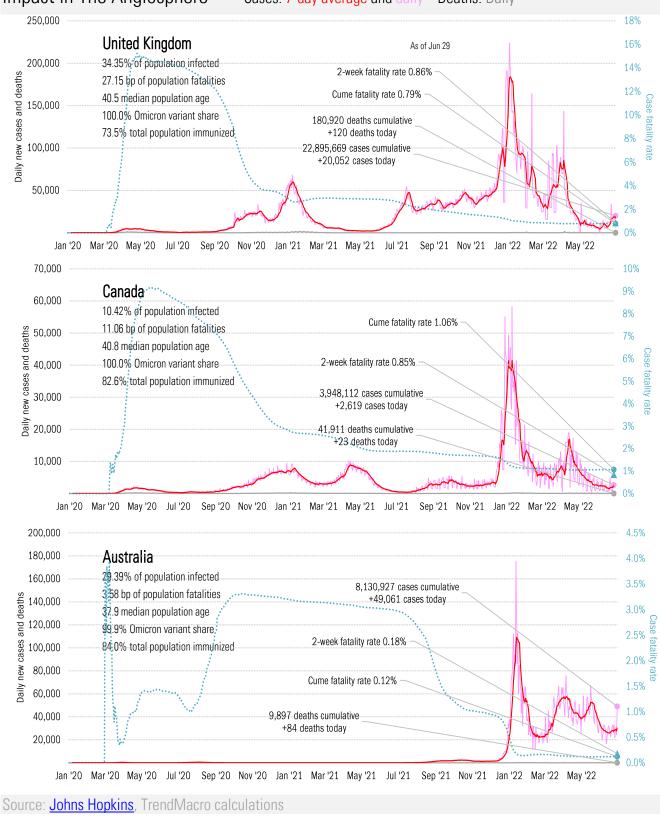


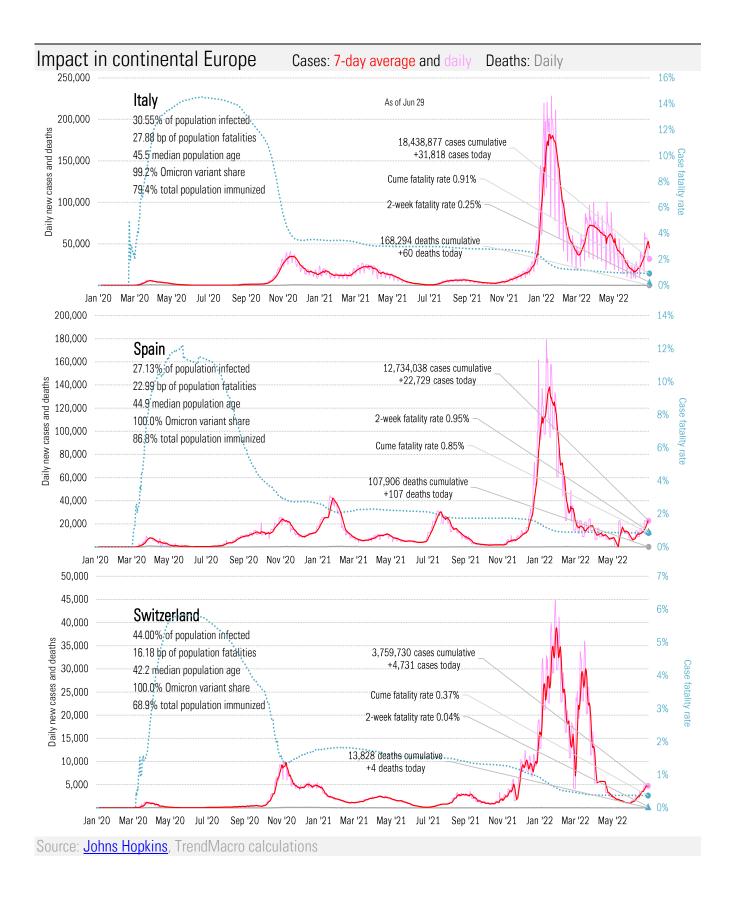
Jan '20 Mar '20 May '20 Jul '20 Sep '20 Nov '20 Jan '21 Mar '21 May '21 Jul '21 Sep '21 Nov '21 Jan '22 May '22

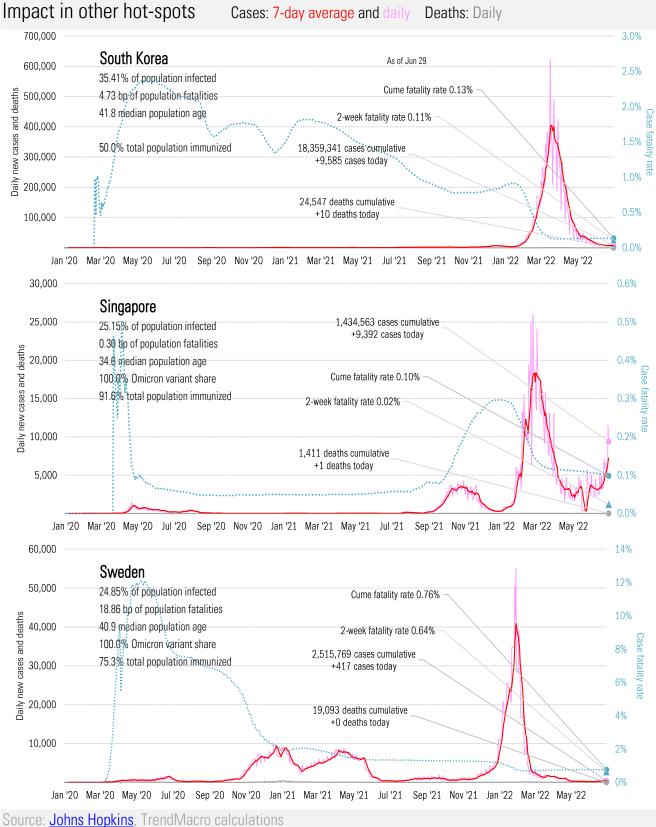


Source: Johns Hopkins, TrendMacro calculations

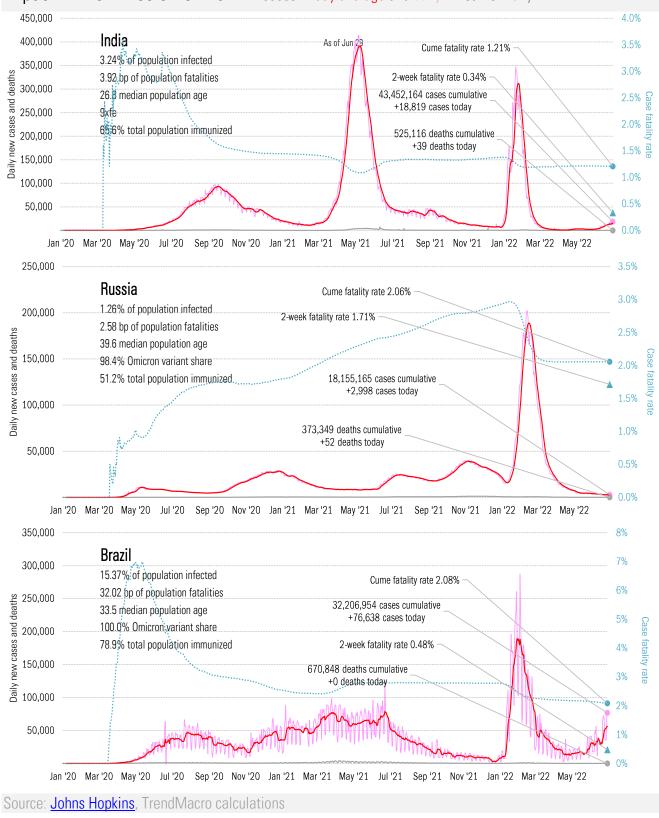
#### Impact in The Anglosphere Cases: 7-day average and daily Deaths: Daily





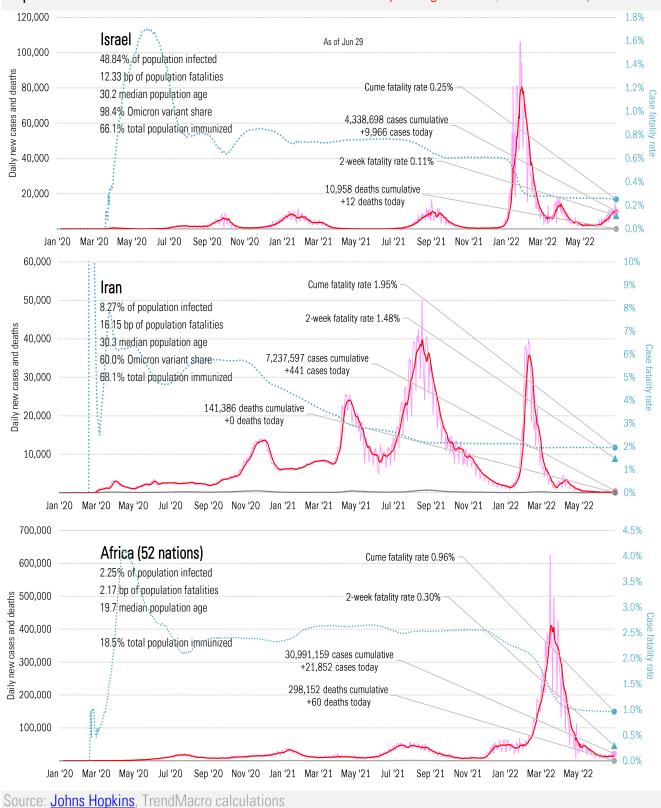


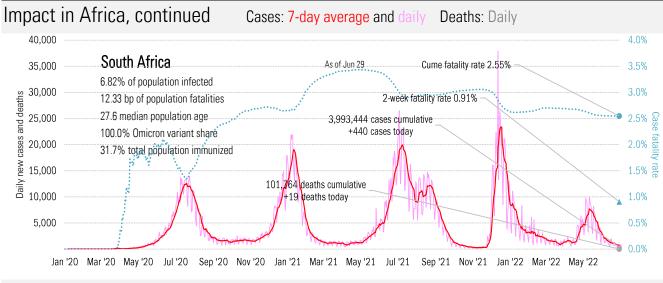
Impact in the BRICs ex-China Cases: 7-day average and daily Deaths: Daily



Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily





Source: Johns Hopkins, TrendMacro calculations