

COVID-19 Dashboard

Issue # 44

Wednesday, May 6, 2020

Day's Highlights

“Strategic Guidance in an Era of Unprecedented Change”

| Measure | Desired Change | Yesterday in the U.S. |
|----------------------------------|----------------|--|
| Number of Tests | Increase | ~260,000 tests on Tuesday, averaging 263,000 last 5 days |
| Test-Positivity Rate | Decline | 8.6% on Tuesday |
| Number of Cases | Plateau | Active Cases up only 1.6% on Tuesday |
| Deaths % of Total Cases | Decline | Stable @ 5.8% |
| Number of Deaths / 1M Population | Plateau | Up to 218.34 |
| Recoveries : Death | Increase | Up to 2.9 |

- The U.S. reported more than 260,000 new tests on Tuesday; the test-positive rate was 8.6%. In comparison, 172,000 tests per day were completed in April, with a test-positive rate of 16.9%
- Twenty-nine states (AL, AS, AZ, CA, FL, GA, HI, ID, KY, LA, ME, MI, MO, MT, NH, NM, NC, ND, OK, OR, SC, TN, TX, UT, VT, WA, WI WV and WY) reported test-positive rate of 10% or less for the past week; the U.S. rate was 10.9% (10% or lower has been suggested as a target threshold). Six states were at 20% or more (CT, DE, MD, NE, NJ and VA). High rates suggest that insufficient testing is being done to provide visibility to the true prevalence of the virus spread
- Twenty-three states are averaging 50 or fewer new daily cases per capita (AS, AK, AL, AZ, CA, FL, HI, ID, KY, ME, MO, MT, NC, NV, OK, OR, SC, TX, UT, VT, WA, WV and WY). Six or averaging 200 or more (IL, MA, NE, NJ, NY and RI)
- Recoveries continue to lag where they should be, given the expected 4-week lag from infection-onset to recovery. Reported recoveries are 211,000; they should be about 320,000, given the total cases identified 4 weeks ago. Is this a reporting lag at the state level?
- The death rate continues to be stable at 5.8% of cases. Deaths per capita in the U.S are comparable to Switzerland but, significantly lower than many European countries.
- Nebraska is of concern: it is the only state not to have broken from exponential case growth; its testing rates are low; its test-positive rate is high (25%) and trending up; and, its new daily infections per capita are high and increasing..
- Delaware and Minnesota now seem to have recently moved past peak active cases – Kentucky, New York, Tennessee, Vermont and Washington seem to be nearing peaks.
- Among countries with the most total cases, most European countries have moved past peaks in both new daily infections per capita and active cases. Several countries– Brazil, Chile, Indi, Mexico, Pakistan, Peru, Russia, Saudi Arabia – are still experiencing increasing rates of new daily infections per capita

COUNTRY-BY-COUNTRY INFORMATION

Country-by-Country Comparative Statistics

“Strategic Guidance in an Era of Unprecedented Change”

As of May 5

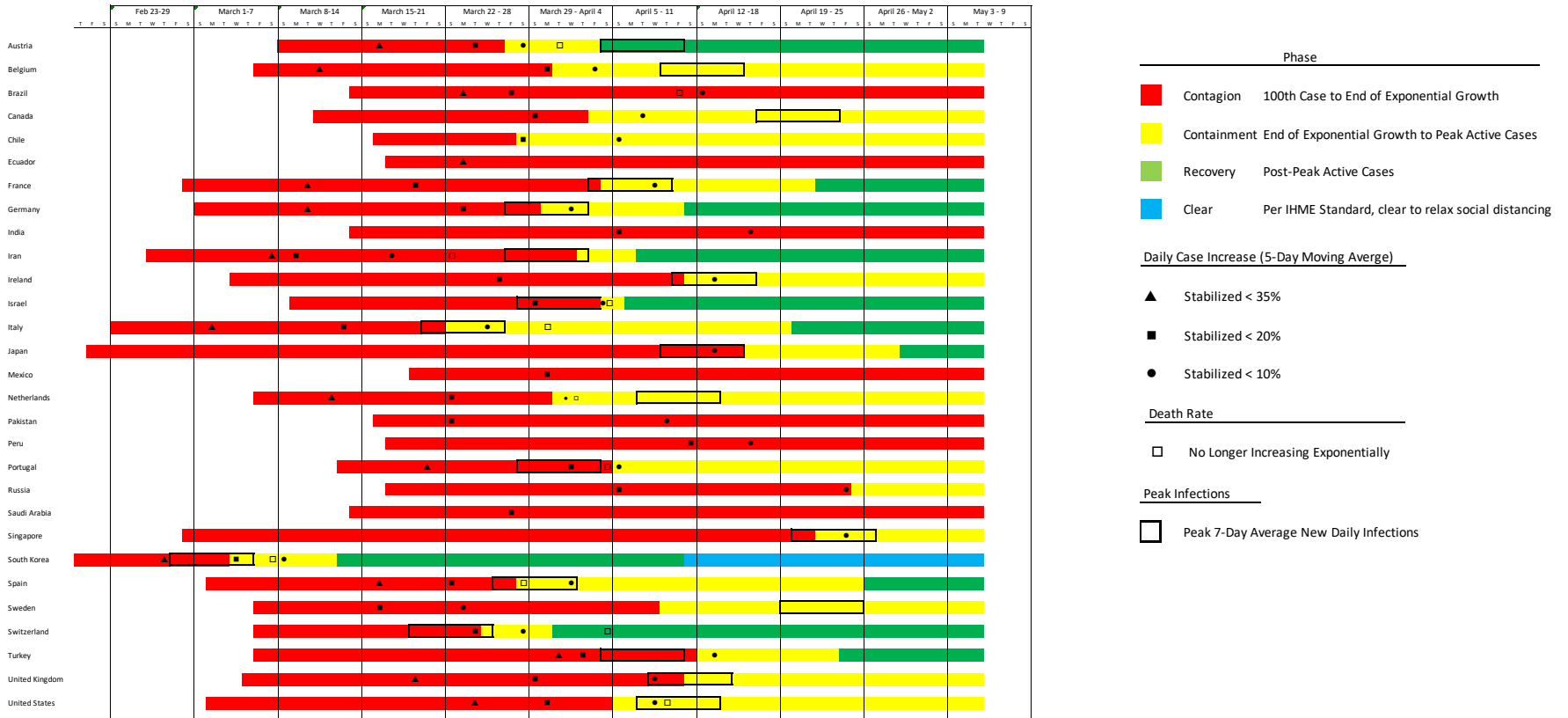
| Country | Total Cases | Rank | Cases per 1M Population | Rank | Deaths | Rank | Death Rate | Rank | Deaths per 1 Million Population | Rank | 5-day Moving Average Case Growth Rate | Rank | Tests per 1M Population | Rank | New Daily Infections Per 1M Population (5-Day M.A.) | Rank |
|--------------|-------------|------|-------------------------|------|--------|------|------------|------|---------------------------------|------|---------------------------------------|------|-------------------------|------|---|------|
| USA | 1,237,633 | (1) | 3,739 | (4) | 72,271 | (1) | 5.8% | (14) | 218.3 | (9) | 2.5% | (13) | 23,347 | (13) | 87.1 | (2) |
| Austria | 15,650 | (28) | 1,738 | (16) | 606 | (23) | 3.9% | (19) | 67.3 | (16) | 0.3% | (28) | 31,742 | (8) | 4.6 | (26) |
| Belgium | 50,509 | (14) | 4,358 | (3) | 8,016 | (6) | 15.9% | (1) | 691.6 | (1) | 0.8% | (21) | 39,362 | (5) | 39.1 | (13) |
| Brazil | 114,715 | (9) | 540 | (24) | 7,921 | (7) | 6.9% | (9) | 37.3 | (19) | 6.1% | (6) | 1,597 | (25) | 28.1 | (14) |
| Canada | 62,046 | (12) | 1,644 | (17) | 4,043 | (12) | 6.5% | (10) | 107.1 | (11) | 3.1% | (11) | 24,921 | (11) | 45.5 | (11) |
| Chile | 22,016 | (24) | 1,152 | (21) | 275 | (26) | 1.2% | (27) | 14.4 | (22) | 6.1% | (5) | 11,618 | (21) | 57.2 | (8) |
| China | 82,881 | (11) | 58 | (29) | 4,633 | (11) | 5.6% | (15) | 3.2 | (27) | 0.0% | (30) | 0 | (30) | 0.0 | (30) |
| Ecuador | 31,881 | (17) | 1,807 | (15) | 1,569 | (18) | 4.9% | (16) | 88.9 | (13) | 5.1% | (8) | 4,544 | (24) | 61.7 | (5) |
| France | 170,551 | (5) | 2,613 | (9) | 25,531 | (5) | 15.0% | (3) | 391.1 | (5) | 0.4% | (26) | 16,856 | (15) | 10.2 | (23) |
| Germany | 167,007 | (6) | 1,993 | (13) | 6,993 | (8) | 4.2% | (17) | 83.5 | (14) | 0.5% | (24) | 30,400 | (10) | 12.1 | (21) |
| India | 49,400 | (15) | 36 | (30) | 1,693 | (17) | 3.4% | (21) | 1.2 | (30) | 7.6% | (2) | 864 | (28) | 1.9 | (27) |
| Iran | 99,970 | (10) | 1,190 | (20) | 6,340 | (9) | 6.3% | (11) | 75.5 | (15) | 1.1% | (18) | 6,186 | (23) | 12.6 | (19) |
| Ireland | 21,983 | (25) | 4,452 | (2) | 1,339 | (21) | 6.1% | (12) | 271.2 | (8) | 1.3% | (17) | 43,493 | (3) | 60.9 | (6) |
| Israel | 16,289 | (27) | 1,882 | (14) | 238 | (28) | 1.5% | (26) | 27.5 | (20) | 0.4% | (25) | 48,189 | (1) | 9.3 | (24) |
| Italy | 213,013 | (3) | 3,523 | (5) | 29,315 | (3) | 13.8% | (4) | 484.9 | (3) | 0.7% | (22) | 37,158 | (6) | 27.2 | (15) |
| Japan | 15,253 | (29) | 121 | (27) | 556 | (24) | 3.6% | (20) | 4.4 | (26) | 1.5% | (15) | 1,473 | (26) | 1.7 | (28) |
| Mexico | 24,905 | (21) | 193 | (26) | 2,271 | (15) | 9.1% | (8) | 17.6 | (21) | 6.3% | (4) | 776 | (29) | 10.4 | (22) |
| Netherlands | 41,087 | (16) | 2,398 | (11) | 5,168 | (10) | 12.6% | (5) | 301.6 | (6) | 0.9% | (20) | 13,768 | (18) | 22.3 | (17) |
| Pakistan | 22,049 | (23) | 100 | (28) | 514 | (25) | 2.3% | (25) | 2.3 | (29) | 5.0% | (9) | 1,007 | (27) | 4.8 | (25) |
| Peru | 51,189 | (13) | 1,553 | (18) | 1,444 | (20) | 2.8% | (22) | 43.8 | (17) | 6.4% | (3) | 12,331 | (20) | 86.7 | (3) |
| Portugal | 25,702 | (20) | 2,521 | (10) | 1,074 | (22) | 4.2% | (18) | 105.3 | (12) | 0.5% | (23) | 46,038 | (2) | 20.7 | (18) |
| Russia | 155,370 | (7) | 1,036 | (22) | 1,451 | (19) | 0.9% | (28) | 9.7 | (23) | 7.8% | (1) | 30,564 | (9) | 58.9 | (7) |
| Saudi Arabia | 30,251 | (18) | 869 | (23) | 200 | (29) | 0.7% | (29) | 5.7 | (24) | 5.9% | (7) | 10,818 | (22) | 41.7 | (12) |
| Singapore | 19,410 | (26) | 3,318 | (7) | 18 | (30) | 0.1% | (30) | 3.1 | (28) | 3.4% | (10) | 24,600 | (12) | 108.9 | (1) |
| South Korea | 10,804 | (30) | 211 | (25) | 254 | (27) | 2.4% | (24) | 5.0 | (25) | 0.1% | (29) | 12,488 | (19) | 0.1 | (29) |
| Spain | 250,561 | (2) | 5,359 | (1) | 25,613 | (4) | 10.2% | (7) | 547.8 | (2) | 0.9% | (19) | 41,332 | (4) | 56.3 | (9) |
| Sweden | 23,216 | (22) | 2,299 | (12) | 2,894 | (14) | 12.5% | (6) | 286.6 | (7) | 1.9% | (14) | 14,704 | (16) | 50.9 | (10) |
| Switzerland | 30,009 | (19) | 3,504 | (6) | 1,795 | (16) | 6.0% | (13) | 209.6 | (10) | 0.3% | (27) | 33,092 | (7) | 12.4 | (20) |
| Turkey | 129,491 | (8) | 1,535 | (19) | 3,520 | (13) | 2.7% | (23) | 41.7 | (18) | 1.5% | (16) | 14,281 | (17) | 25.1 | (16) |
| UK | 194,990 | (4) | 2,872 | (8) | 29,427 | (2) | 15.1% | (2) | 433.5 | (4) | 2.6% | (12) | 20,385 | (14) | 71.2 | (4) |

© 2020 [Health Industry Advisor LLC](#) analysis, using data from [Covid Tracking Project](#) and [World Health Organization](#)

Country-by-Country Virus Progression

“Strategic Guidance in an Era of Unprecedented Change”

This graphic illustrates when the country first recorded 100 total cases (start of the “contagion” phase); when growth stopped following an exponential pattern (start of the “containment” phase); and, when peak total cases were recorded (start of the “recovery” phase). It uses symbols to indicate when average daily case growth rates fell (and were sustained) below certain benchmarks, as well as when deaths stopped growing exponentially.



© 2020 [Health Industry Advisor LLC](#) analysis, using data from [World Health Organization](#)

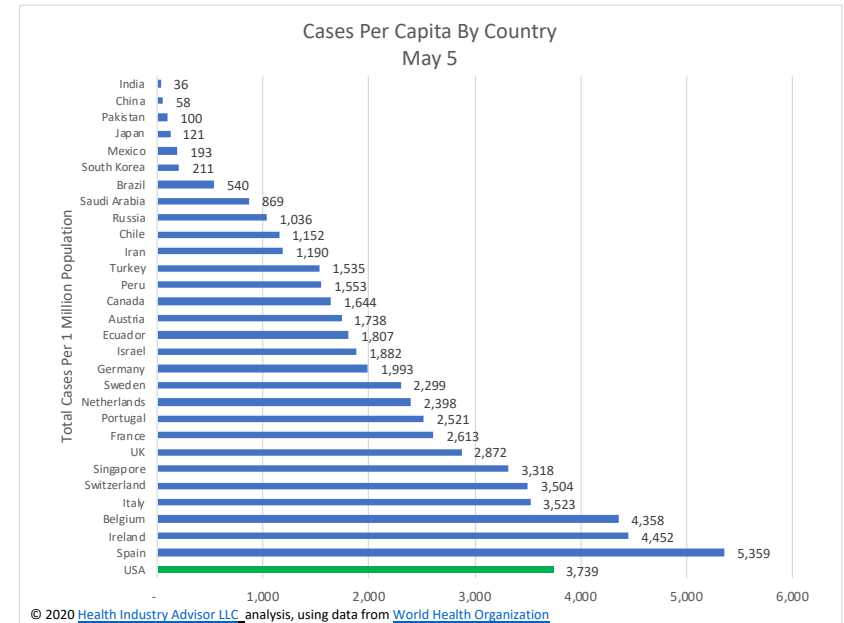
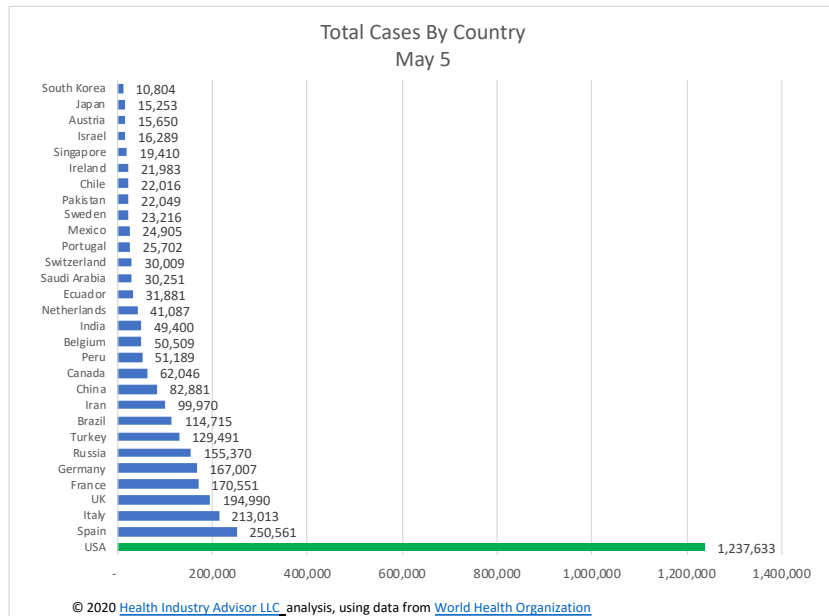
Country-By-Country Listing of Countries By Total Cases

“Strategic Guidance in an Era of Unprecedented Change”

| | Total Cases | | | | |
|-----------------|-------------|--------------|---------|--------------|---------|
| | 5-May | | 22-Apr | | 8-Apr |
| 1 USA | 1,237,633 | USA | 854,385 | USA | 441,569 |
| 2 Spain | 250,561 | Spain | 208,389 | Spain | 148,220 |
| 3 Italy | 213,013 | Italy | 187,327 | Italy | 139,422 |
| 4 UK | 194,990 | France | 159,877 | Germany | 113,296 |
| 5 France | 170,551 | Germany | 150,648 | France | 103,061 |
| 6 Germany | 167,007 | UK | 133,495 | China | 81,865 |
| 7 Russia | 155,370 | Turkey | 98,674 | Iran | 64,586 |
| 8 Turkey | 129,491 | Iran | 85,996 | UK | 60,733 |
| 9 Brazil | 114,715 | China | 82,788 | Turkey | 38,226 |
| 10 Iran | 99,970 | Russia | 57,999 | Belgium | 23,403 |
| 11 China | 82,881 | Brazil | 45,757 | Switzerland | 23,280 |
| 12 Canada | 62,046 | Belgium | 41,889 | Netherlands | 20,549 |
| 13 Peru | 51,189 | Canada | 40,190 | Canada | 19,438 |
| 14 Belgium | 50,509 | Netherlands | 34,842 | Brazil | 16,188 |
| 15 India | 49,400 | Switzerland | 28,268 | Portugal | 13,141 |
| 16 Netherlands | 41,087 | Portugal | 21,982 | Austria | 12,942 |
| 17 Ecuador | 31,881 | India | 21,370 | South Korea | 10,384 |
| 18 Saudi Arabia | 30,251 | Peru | 19,250 | Israel | 9,404 |
| 19 Switzerland | 30,009 | Ireland | 16,671 | Russia | 8,672 |
| 20 Portugal | 25,702 | Sweden | 16,004 | Sweden | 8,419 |
| 21 Mexico | 24,905 | Austria | 14,925 | Ireland | 6,074 |
| 22 Sweden | 23,216 | Israel | 14,498 | India | 5,916 |
| 23 Pakistan | 22,049 | Saudi Arabia | 12,772 | Chile | 5,546 |
| 24 Chile | 22,016 | Japan | 11,950 | Japan | 4,667 |
| 25 Ireland | 21,983 | Chile | 11,296 | Ecuador | 4,450 |
| 26 Singapore | 19,410 | Ecuador | 10,850 | Peru | 4,342 |
| 29 Israel | 16,289 | South Korea | 10,694 | Pakistan | 4,263 |
| 30 Austria | 15,650 | Singapore | 10,141 | Saudi Arabia | 2,932 |
| 31 Japan | 15,253 | Pakistan | 10,076 | Mexico | 2,785 |
| 37 South Korea | 10,804 | Mexico | 9,501 | Singapore | 1,623 |

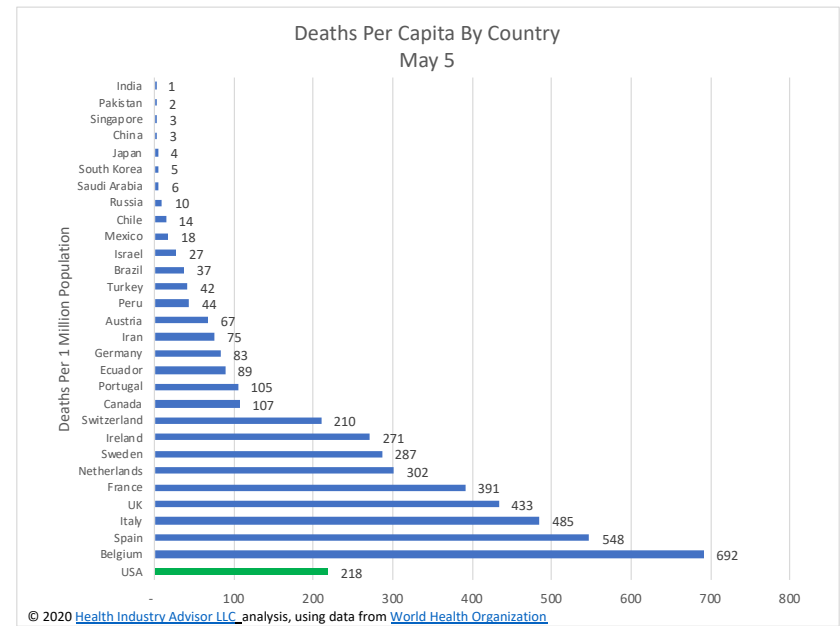
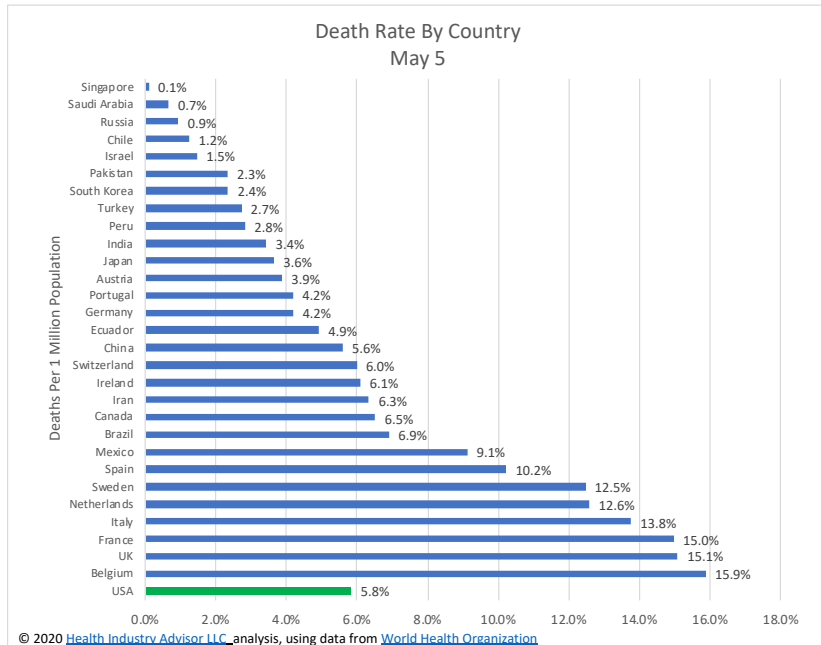
Country-by-Country Cases & Cases Per Capita

“Strategic Guidance in an Era of Unprecedented Change”



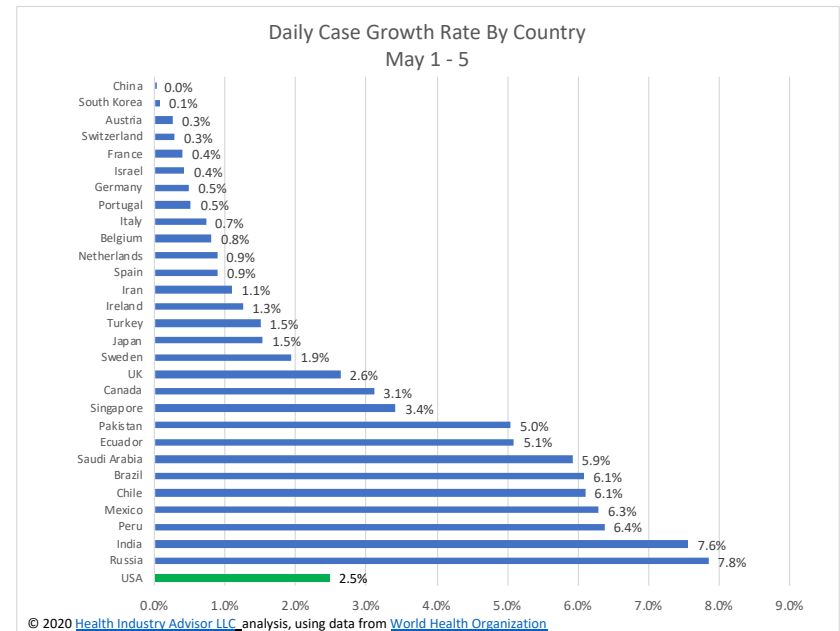
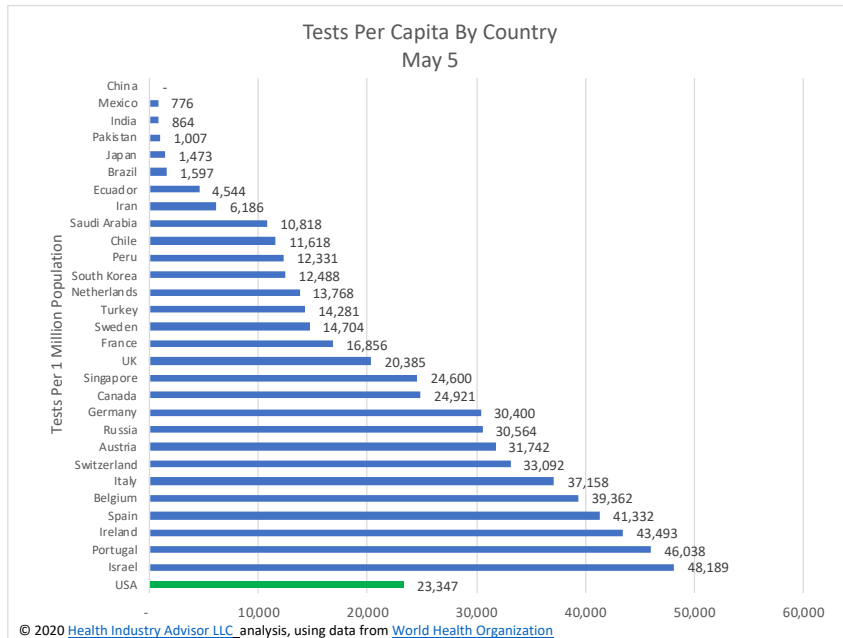
Country-by-Country Deaths Per Cases & Per Capita

“Strategic Guidance in an Era of Unprecedented Change”



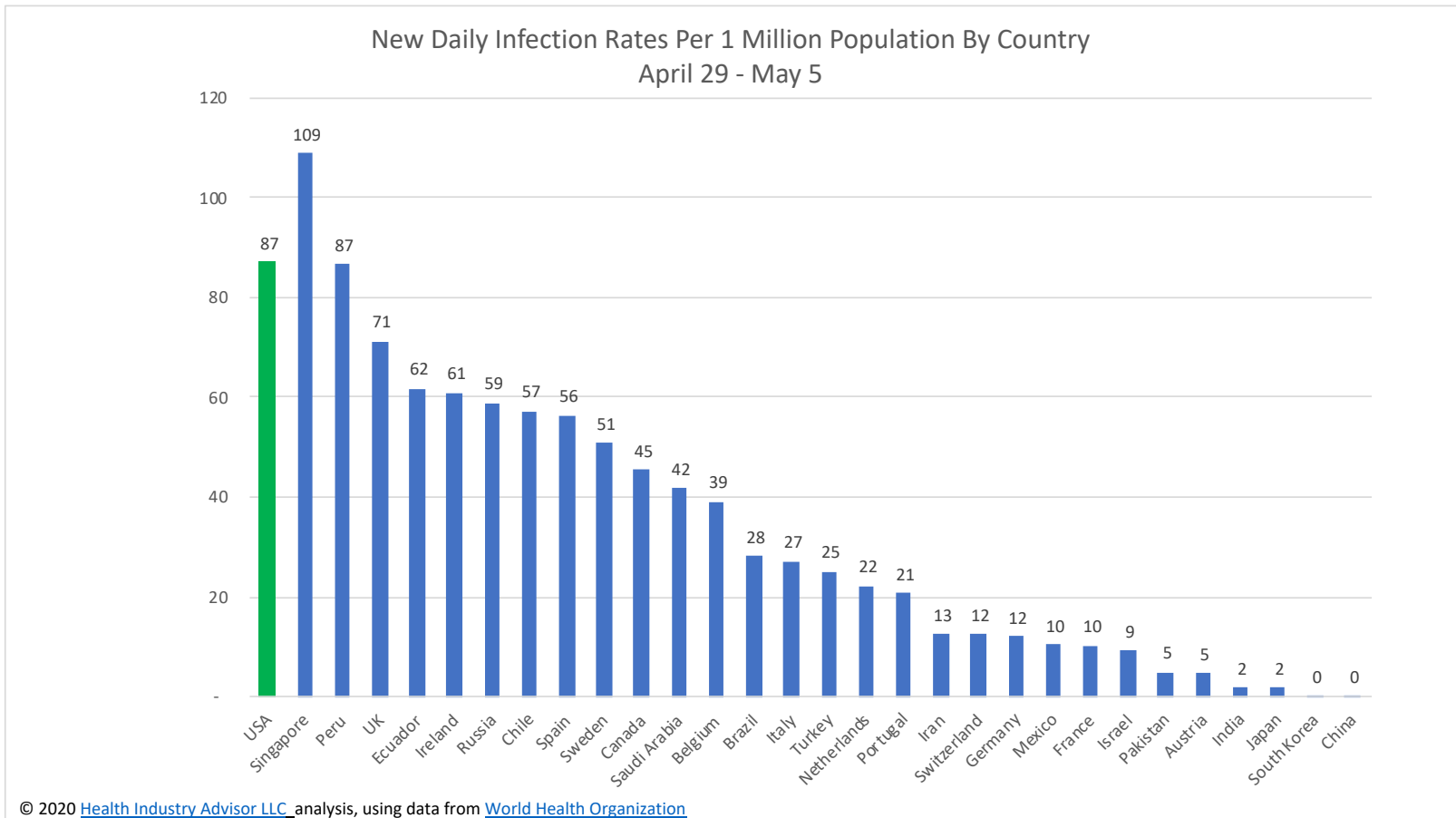
Country-by-Country Tests Per Capita & Case Growth Rate

“Strategic Guidance in an Era of Unprecedented Change”



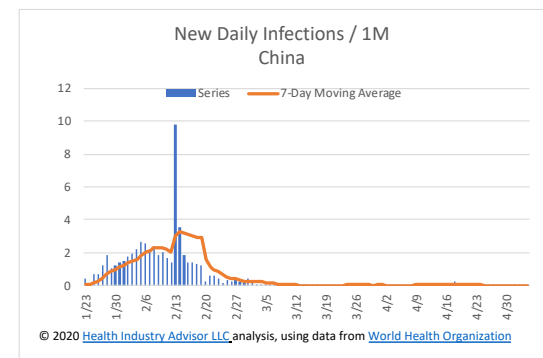
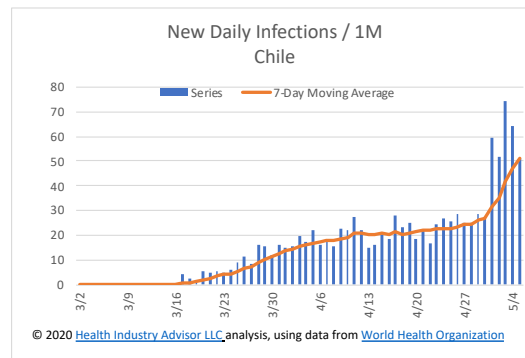
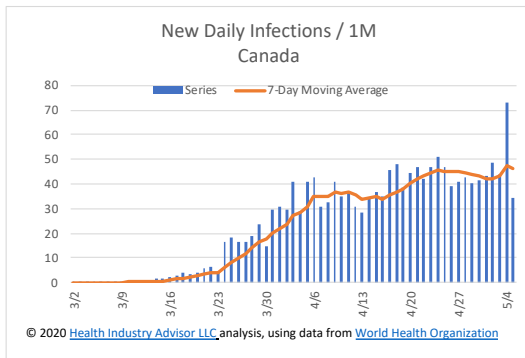
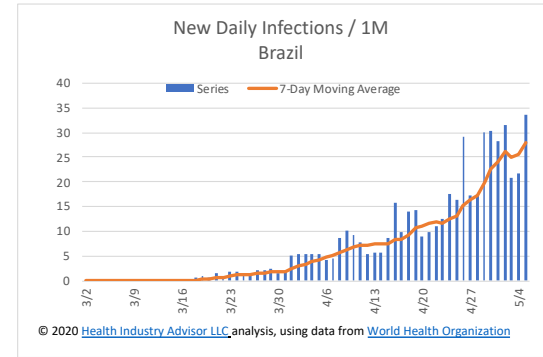
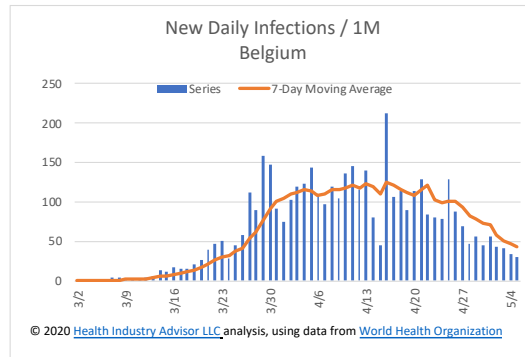
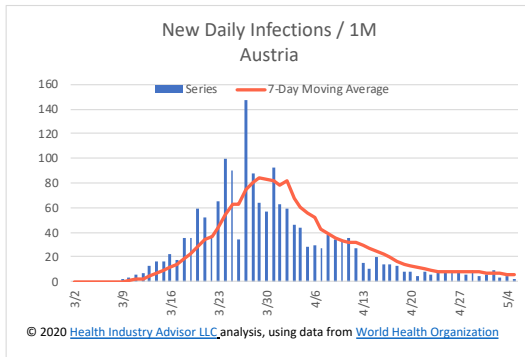
Country-by-Country New Daily Infection Rate

“Strategic Guidance in an Era of Unprecedented Change”



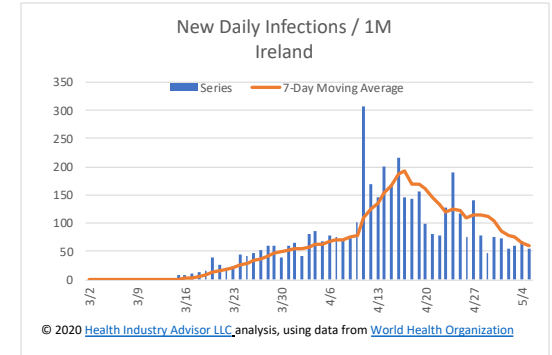
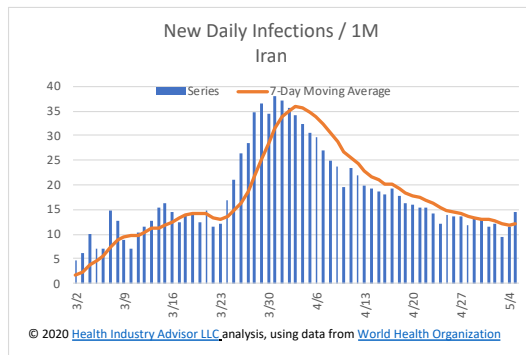
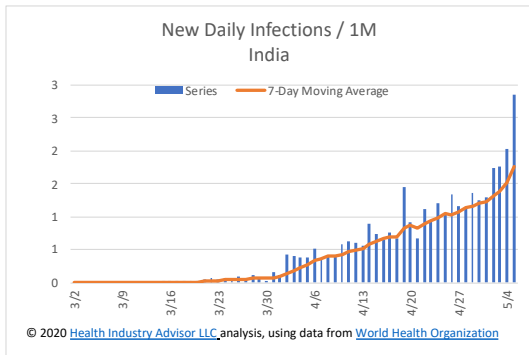
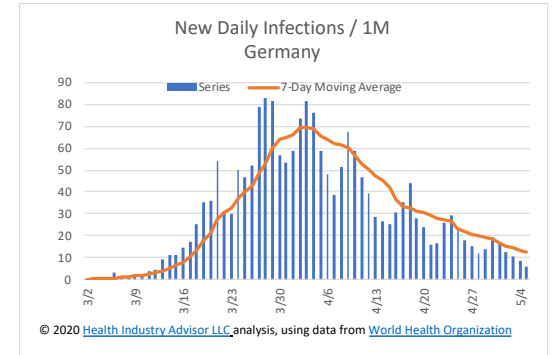
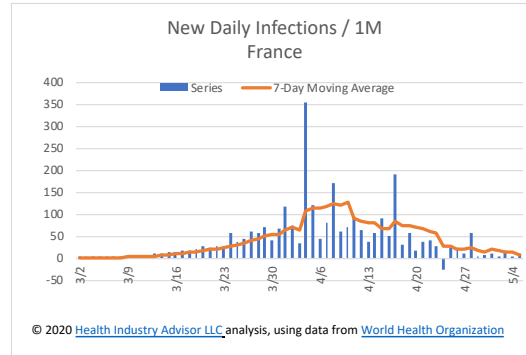
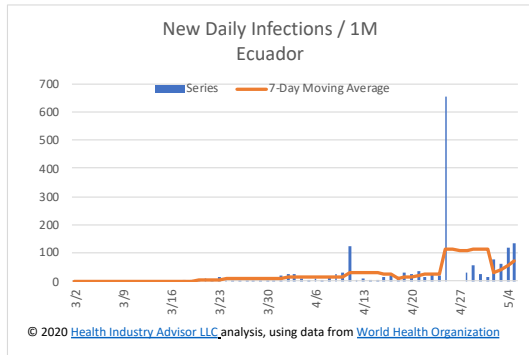
Country-by-Country New Daily Infection Rate Time Series

"Strategic Guidance in an Era of Unprecedented Change"



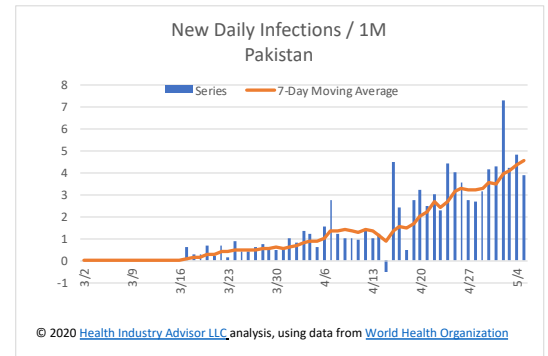
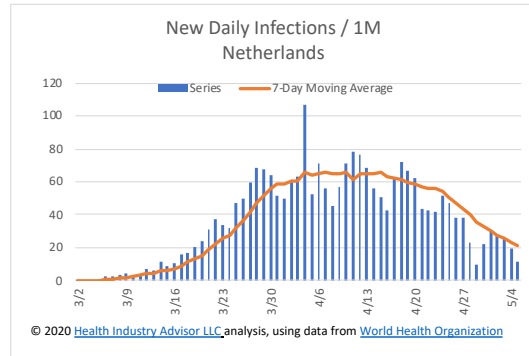
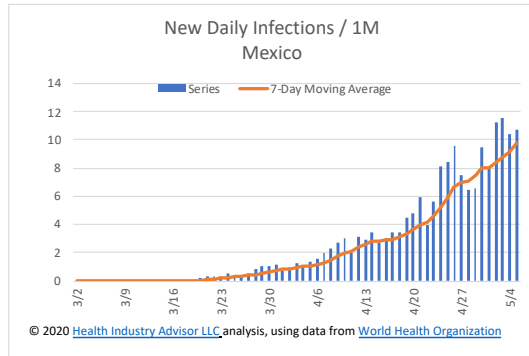
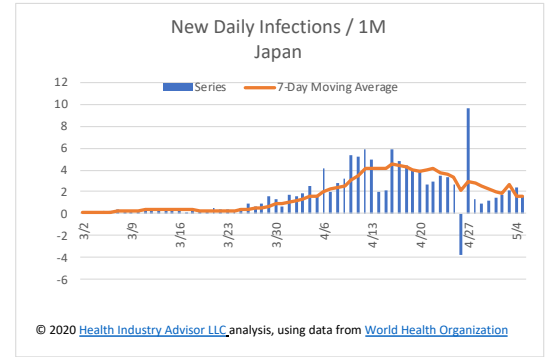
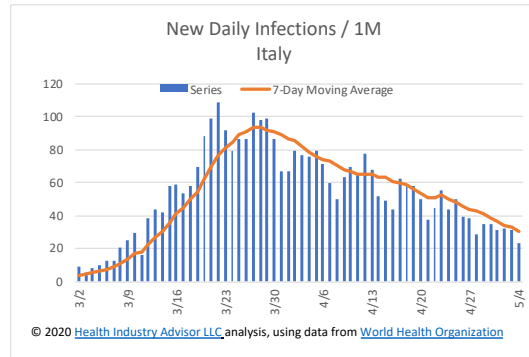
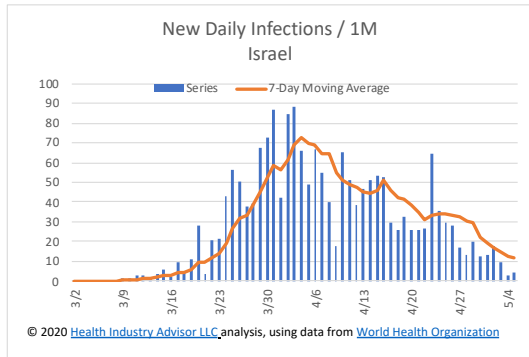
New Daily Infection Rate Time Series

“Strategic Guidance in an Era of Unprecedented Change”



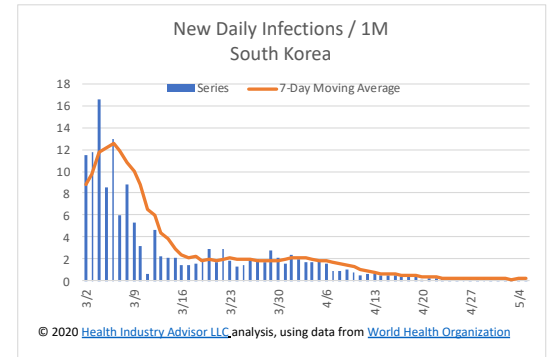
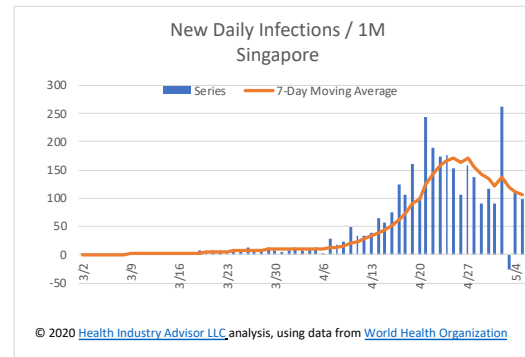
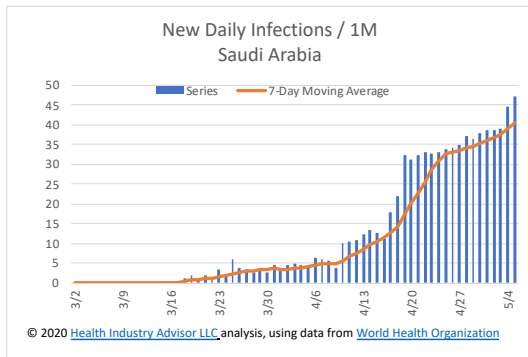
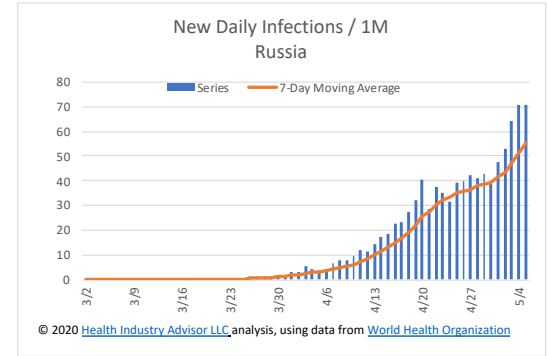
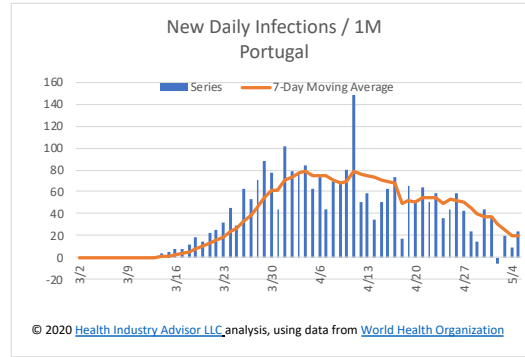
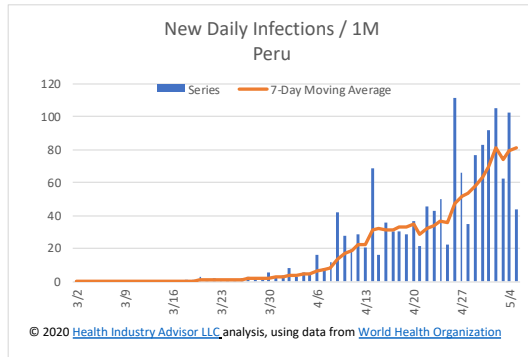
New Daily Infection Rate Time Series

“Strategic Guidance in an Era of Unprecedented Change”



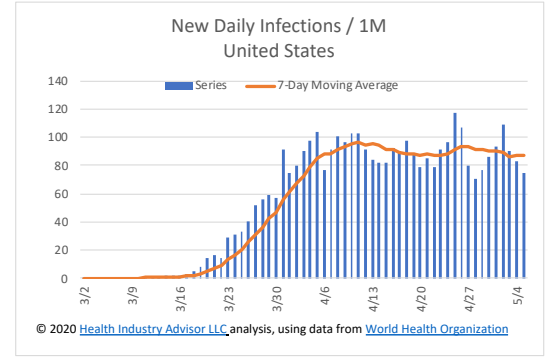
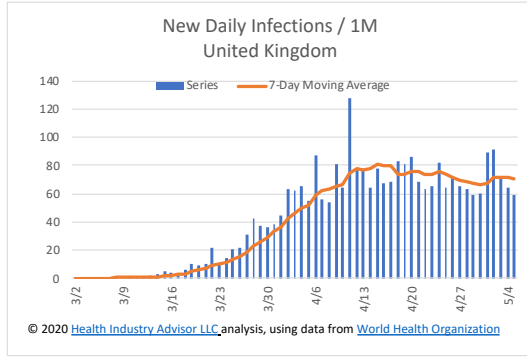
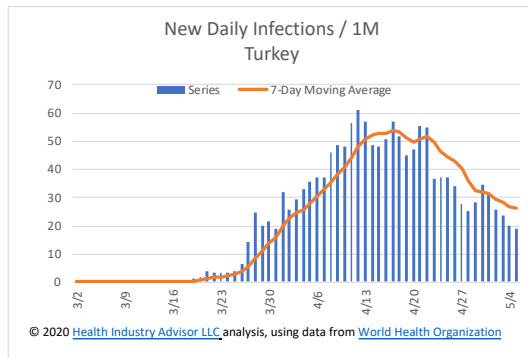
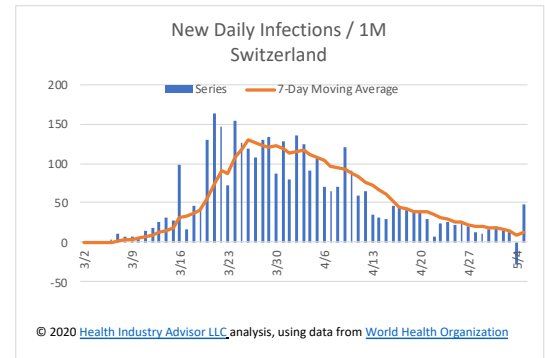
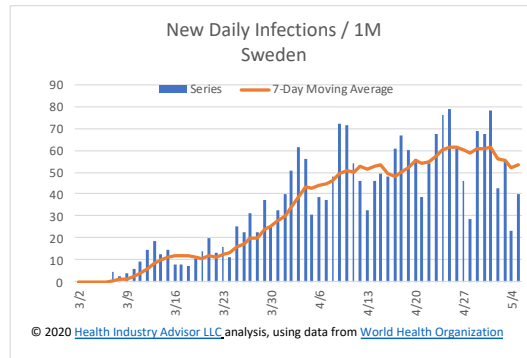
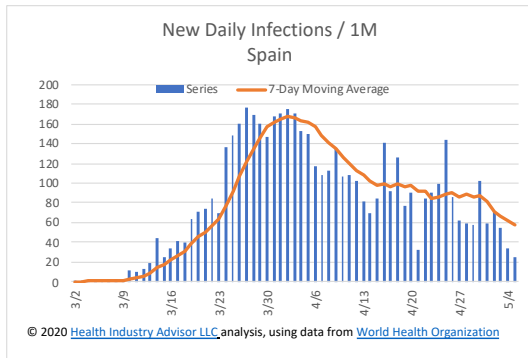
New Daily Infection Rate Time Series

“Strategic Guidance in an Era of Unprecedented Change”



New Daily Infection Rate Time Series

“Strategic Guidance in an Era of Unprecedented Change”



UNITED STATES & STATE-BY-STATE INFORMATION

State-by-State Readiness For Relaxing Restrictions

“Strategic Guidance in an Era of Unprecedented Change”

We modified the tests/capita metric in two ways: first, we changed to tests/capita past 2 weeks (v. cumulative); second, we adopted the Harvard based study of susceptible-infected-recovered model (SEIR) identification of a goal of 2.7% of population tested per week; and, a minimum of 1520 tests per 1 million population. This will serve as a more challenging standard.

- We recently introduced a scorecard to provide a snapshot of each state’s readiness for relaxing restrictions on businesses and individuals.
- To portray readiness we have incorporated the following measures into to the scorecard, (along with the rationale for the scoring within each measure):
 - Tests/Capita – last 14 days; indicates testing robustness; grading quintiles based on Harvard study using susceptible-infected-recovered model (SEIR) 2.7% of population tested per week, 1%, 0.7%, 0.35%, all others
 - Direction – whether test volume increased/stayed level, or decreased the past 2 weeks v. prior two weeks
 - Test-Positive Rate – indicates whether testing is identifying sufficient numbers of non-infected persons; grading based on comparison to best reported in the world (South Korea, Australia, New Zealand), next group of countries (Canada, Germany, Denmark), then, next 3 levels set to differentiate among states
 - Direction – whether test positive rate increased/stayed level, or past 2 weeks v. prior two weeks
 - New Infections / 1 Million – indicates how quickly the virus is spreading; grading based on: rate proposed by IHME for ending social distancing, top ten, top 20, top 25 among the countries we track, then all others
 - Direction – whether new infection per capita rate increased/stayed level, or past 2 weeks v. prior two weeks
 - Influenza-Like Illness – Using CDC-reported data, indicates whether the state’s visits for influenza the past week were above or below CDC baseline for the state’s region
 - Direction – whether the % visits for influenza the last 3 weeks increased or decreased the past 3 weeks v. the prior 3 weeks
 - Hospital Resources – using IHME projections, whether the state is pre- or post- peak projected hospital resource needs due to the virus; and the 5 of peak resources projected to be needed today. Grading based on current need at <45% of peak, 45-60%, 60-75%, 75-85%, and all others.
- On the following pages, we portray state-by-state readiness on various dates.
- **These scorecards are for informational purposes only. The measures and grading used are not based on any scientific standard and should not be considered a substitute for public health considerations or other clinical or economic judgement. States may elect to move faster or slower than the scorecard might otherwise indicate.**

State-By-State Relative "Readiness" For Relaxing Restrictions

"Strategic Guidance in an Era of Unprecedented Change"

May 5

| State | Tests / Capita | | Test-Positive Rate | | New Infections / 1 Million | | Influenza-Like Illness | | Hospital Resources |
|----------------------|----------------|-----------|--------------------|-----------|----------------------------|-----------|------------------------|-----------|--------------------|
| | # | Direction | # | Direction | # | Direction | Baseline | Direction | |
| Alabama | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Alaska | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Arizona | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Arkansas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| California | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Colorado | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Connecticut | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Delaware | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| District Of Columbia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Florida | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Georgia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Hawaii | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Idaho | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Illinois | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Indiana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Iowa | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Kansas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Kentucky | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Louisiana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Maine | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Maryland | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Massachusetts | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Michigan | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Minnesota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Mississippi | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Missouri | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Montana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Nebraska | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Nevada | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Hampshire | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Jersey | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Mexico | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New York | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| North Carolina | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| North Dakota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Ohio | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Oklahoma | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Oregon | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Pennsylvania | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Rhode Island | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| South Carolina | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| South Dakota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Tennessee | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Texas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Utah | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Vermont | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Virginia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Washington | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| West Virginia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Wisconsin | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Wyoming | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |

April 30

| State | Tests / Capita | | Test-Positive Rate | | New Infections / 1 Million | | Influenza-Like Illness | | Hospital Resources |
|----------------------|----------------|-----------|--------------------|-----------|----------------------------|-----------|------------------------|-----------|--------------------|
| | # | Direction | # | Direction | # | Direction | Baseline | Direction | |
| Alabama | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Alaska | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Arizona | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Arkansas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| California | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Colorado | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Connecticut | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Delaware | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| District Of Columbia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Florida | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Georgia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Hawaii | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Idaho | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Illinois | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Indiana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Iowa | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Kansas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Kentucky | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Louisiana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Maine | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Maryland | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Massachusetts | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Michigan | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Minnesota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Mississippi | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Missouri | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Montana | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Nebraska | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Nevada | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Hampshire | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Jersey | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New Mexico | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| New York | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| North Carolina | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| North Dakota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Ohio | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Oklahoma | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Oregon | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Pennsylvania | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Rhode Island | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| South Carolina | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| South Dakota | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Tennessee | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Texas | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Utah | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Vermont | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Virginia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Washington | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| West Virginia | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Wisconsin | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |
| Wyoming | Yellow | Green | Green | Green | Green | Green | Green | Green | Green |

Legend and sources provided on 2nd following page

State-By-State Relative "Readiness" For Relaxing Restrictions

"Strategic Guidance in an Era of Unprecedented Change"

April 26

| State | Tests / Capita | | Test-Positive Rate | | New Infections / 1 Million | | Influenza-Like Illness | | Hospital Resources |
|----------------------|----------------|-----------|--------------------|-----------|----------------------------|-----------|------------------------|-----------|--------------------|
| | # | Direction | # | Direction | # | Direction | Baseline | Direction | |
| Alabama | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Alaska | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Arizona | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Arkansas | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| California | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Colorado | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Connecticut | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Delaware | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| District Of Columbia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Florida | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Georgia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Hawaii | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Idaho | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Illinois | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Indiana | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Iowa | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Kansas | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Kentucky | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Louisiana | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Maine | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Maryland | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Massachusetts | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Michigan | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Minnesota | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Mississippi | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Missouri | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Montana | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Nebraska | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Nevada | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| New Hampshire | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New Jersey | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New Mexico | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New York | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| North Carolina | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| North Dakota | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Ohio | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Oklahoma | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Oregon | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Pennsylvania | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Rhode Island | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| South Carolina | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| South Dakota | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Tennessee | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Texas | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Utah | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Vermont | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Virginia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Washington | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| West Virginia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Wisconsin | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Wyoming | Red | Green | Green | Green | Green | Red | Green | Green | Red |

April 15






| State | Tests / Capita | | Test-Positive Rate | | New Infections / 1 Million | | Influenza-Like Illness | | Hospital Resources |
|----------------------|----------------|-----------|--------------------|-----------|----------------------------|-----------|------------------------|-----------|--------------------|
| | # | Direction | # | Direction | # | Direction | Baseline | Direction | |
| Alabama | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Alaska | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Arizona | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Arkansas | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| California | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Colorado | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Connecticut | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Delaware | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| District Of Columbia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Florida | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Georgia | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Hawaii | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Idaho | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Illinois | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Indiana | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Iowa | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Kansas | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Kentucky | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Louisiana | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Maine | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Maryland | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Massachusetts | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Michigan | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Minnesota | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Mississippi | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Missouri | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Montana | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Nebraska | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Nevada | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| New Hampshire | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New Jersey | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New Mexico | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| New York | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| North Carolina | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| North Dakota | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Ohio | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Oklahoma | Red | Green | Green | Red | Red | Red | Green | Green | Red |
| Oregon | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Pennsylvania | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Rhode Island | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| South Carolina | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| South Dakota | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Tennessee | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Texas | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Utah | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Vermont | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Virginia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Washington | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| West Virginia | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Wisconsin | Red | Green | Green | Green | Green | Red | Green | Green | Red |
| Wyoming | Red | Green | Green | Red | Red | Red | Green | Green | Red |

Legend and sources provided on following page

State-By-State Relative "Readiness" For Relaxing Restrictions

"Strategic Guidance in an Era of Unprecedented Change"

Legend:

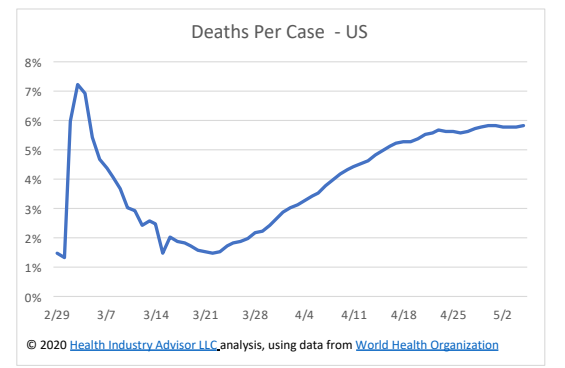
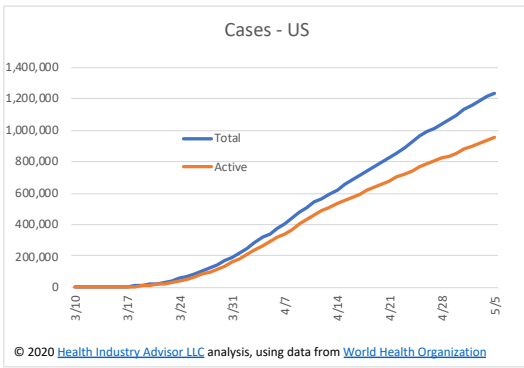
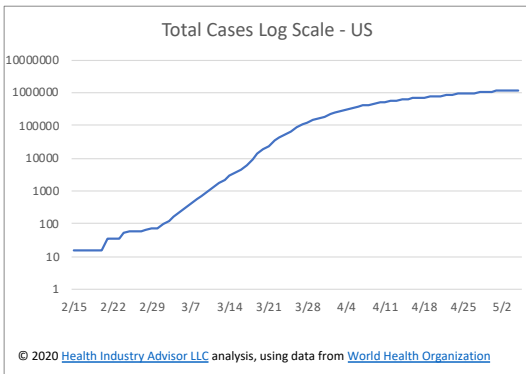
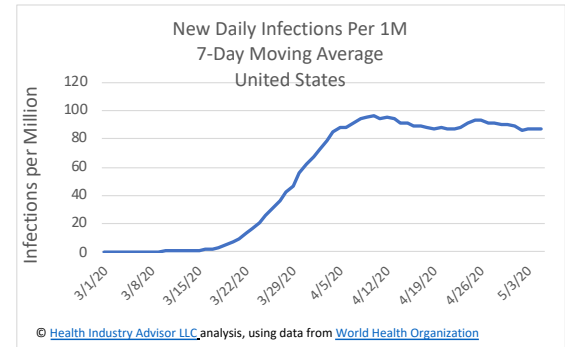
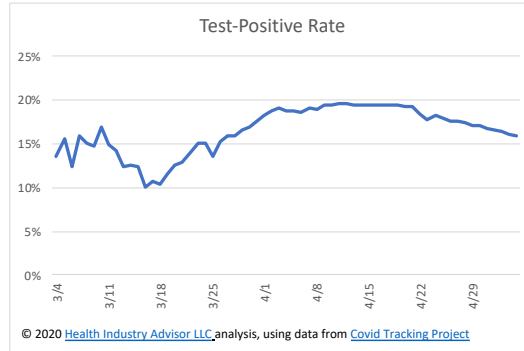
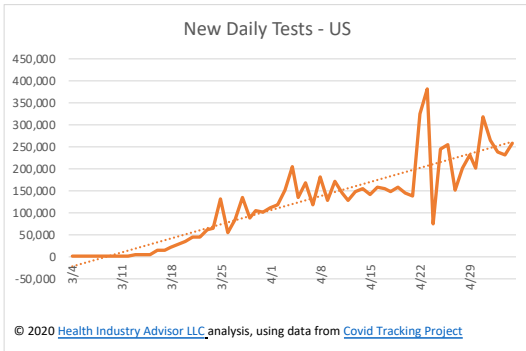
| Time period | Tests per Capita | | Test-Positive Rate | | New Daily Infection Rate | | Baseline | | Hospital Resources |
|--|----------------------|---|--------------------|---|--------------------------|---|------------------------|---|--------------------------|
| | Average last 2 weeks | Direction last 14 days v prior 2 weeks | last 7 days | Direction last 14 days v prior 2 weeks | per 1M last 7 days | Direction last 14 days v prior 2 weeks | CDC Baseline by region | Direction last 14 days v prior 2 weeks | As of 4/26 |
|  | >3,850 | Up | <=2% | Down | <10 | Down by 40% | Below Baseline | Down | <45% of Peak |
|  | 1520 - 3,850 | Up | 2-10% | Down | 10-50 | Down by 10% | Below Baseline | N/A | 45-60% of Peak |
|  | 1,501 - 3,850 | Up | 10-14% | Down | 50-100 | Down by 10% | Below Baseline | N/A | 60-75% of Peak |
|  | 501 - 1,500 | Up | 14-18% | Down | 100-150 | Down by 10% | Below Baseline | N/A | 75-85% of peak |
|  | <750 | Down | >18% | Up | >150 | Down <10% or Up | Above Baseline | Up | >85% of Peak or Pre-Peak |

© 2020 Health Industry Advisor LLC. All rights reserved.

Sources:

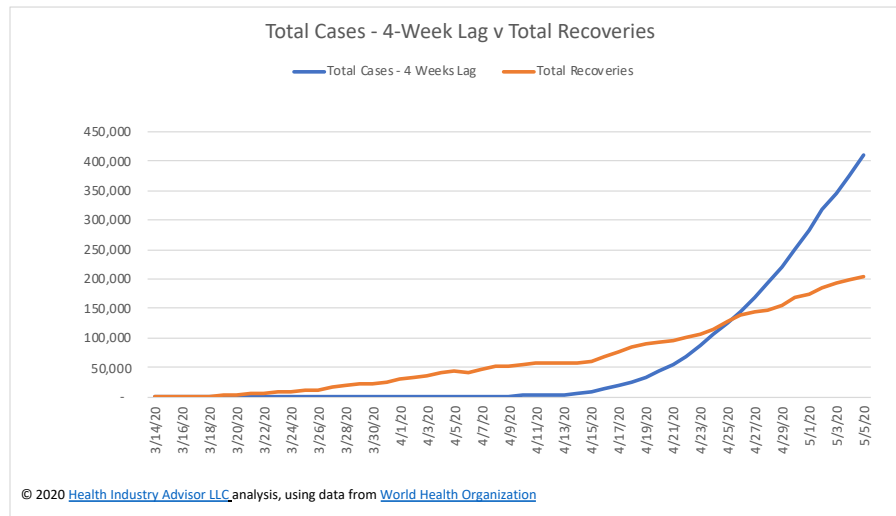
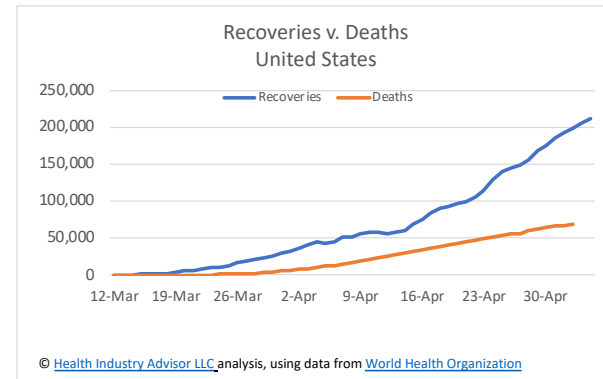
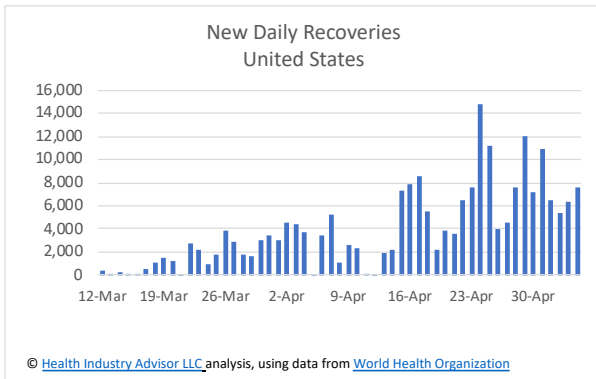
Influenza guidelines and data from Centers for Disease Control (<https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>), accessed April 30, 2020
 Test data from Covid Tracking Project (<https://covidtracking.com/>), accessed March 21-May 2, 2020
 Hospital resource Need projections from Institute for Health Metrics and Evaluation (<https://www.ihme.washington.edu/>), accessed April 30, 2020
 Infection rate data from World Health Organization (worldometer.info), accessed March 21-May 2, 2020

“Strategic Guidance in an Era of Unprecedented Change”



United States Recoveries

“Strategic Guidance in an Era of Unprecedented Change”



State-by-State Comparative Statistics

“Strategic Guidance in an Era of Unprecedented Change”

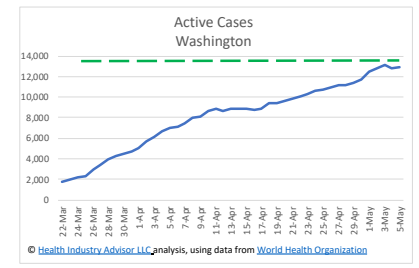
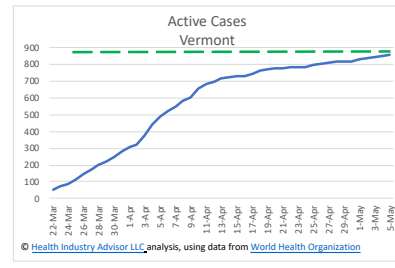
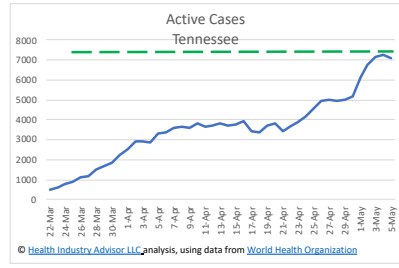
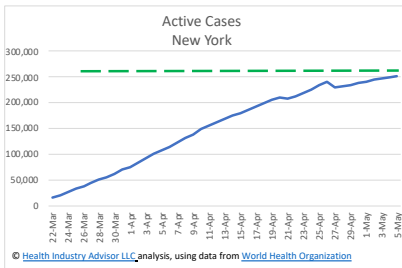
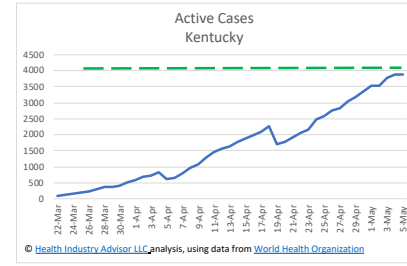
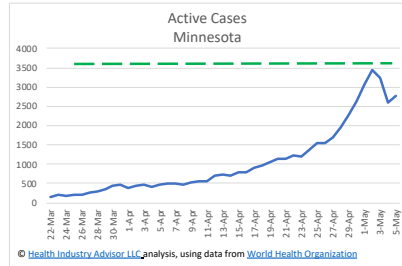
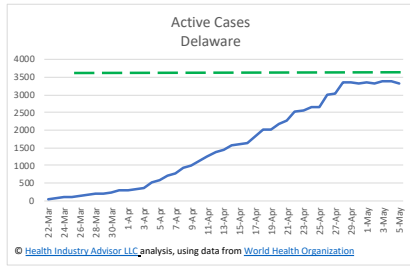
As of May 5

| State | Total Cases | Rank | Cases per 1M Population | Rank | Deaths | Rank | Death Rate | Rank | Deaths per 1 Million Population | Rank | 5-day Moving Average Case Growth Rate | Rank | Tests per 1M Population Past 7 days | Rank | New Daily Cases Per 1M Population (5-Day M.A.) | Rank |
|----------------------|-------------|------|-------------------------|------|--------|------|------------|------|---------------------------------|------|---------------------------------------|------|-------------------------------------|------|--|------|
| Alabama | 8,437 | (26) | 1,720.7 | (29) | 315 | (26) | 3.7% | (33) | 64.2 | (28) | 3.6% | (17) | 901 | (14) | 49.2 | (30) |
| Alaska | 371 | (51) | 507.1 | (49) | 9 | (50) | 2.4% | (43) | 12.3 | (49) | 0.9% | (49) | 1,094 | (10) | 3.9 | (49) |
| Arizona | 9,305 | (23) | 1,278.4 | (39) | 395 | (22) | 4.2% | (24) | 54.3 | (35) | 4.0% | (13) | 409 | (46) | 46.3 | (33) |
| Arkansas | 3,496 | (39) | 1,158.5 | (43) | 82 | (40) | 2.3% | (44) | 27.2 | (44) | 1.3% | (45) | 661 | (26) | 17.5 | (44) |
| California | 58,625 | (5) | 1,483.7 | (32) | 2,376 | (8) | 4.1% | (27) | 60.1 | (32) | 3.2% | (20) | 731 | (22) | 45.1 | (34) |
| Colorado | 17,364 | (17) | 3,015.2 | (17) | 903 | (16) | 5.2% | (14) | 156.8 | (14) | 2.6% | (29) | 463 | (44) | 75.6 | (21) |
| Connecticut | 30,621 | (10) | 8,588.6 | (5) | 2,633 | (7) | 8.6% | (2) | 738.5 | (3) | 2.0% | (40) | 637 | (28) | 172.7 | (8) |
| Delaware | 5,371 | (35) | 5,515.7 | (8) | 187 | (34) | 3.5% | (38) | 192.0 | (13) | 2.6% | (30) | 513 | (38) | 116.8 | (11) |
| District Of Columbia | 5,322 | (36) | 7,540.9 | (6) | 264 | (30) | 5.0% | (17) | 374.1 | (7) | 4.2% | (11) | 1,102 | (9) | 268.8 | (3) |
| Florida | 37,439 | (8) | 1,743.2 | (28) | 1,471 | (10) | 3.9% | (30) | 68.5 | (24) | 2.1% | (37) | 657 | (27) | 30.5 | (40) |
| Georgia | 29,892 | (12) | 2,815.4 | (18) | 1,295 | (13) | 4.3% | (21) | 122.0 | (15) | 2.6% | (28) | 819 | (17) | 67.8 | (23) |
| Hawaii | 625 | (48) | 441.4 | (50) | 17 | (48) | 2.7% | (42) | 12.0 | (51) | 0.2% | (50) | 486 | (40) | 1.6 | (50) |
| Idaho | 2,127 | (43) | 1,186.9 | (41) | 65 | (41) | 3.1% | (39) | 36.3 | (39) | 1.1% | (47) | 818 | (18) | 14.0 | (46) |
| Illinois | 65,962 | (4) | 5,205.4 | (9) | 2,838 | (6) | 4.3% | (23) | 224.0 | (11) | 4.5% | (9) | 1,174 | (7) | 201.3 | (7) |
| Indiana | 21,033 | (14) | 3,124.2 | (15) | 1,326 | (12) | 6.3% | (5) | 197.0 | (12) | 3.4% | (19) | 608 | (31) | 94.3 | (15) |
| Iowa | 10,111 | (21) | 3,204.7 | (14) | 207 | (33) | 2.0% | (45) | 65.6 | (26) | 7.2% | (3) | 939 | (13) | 169.1 | (9) |
| Kansas | 5,632 | (32) | 1,933.2 | (25) | 161 | (36) | 2.9% | (40) | 55.3 | (34) | 5.5% | (4) | 589 | (32) | 100.8 | (12) |
| Kentucky | 5,822 | (31) | 1,303.1 | (38) | 275 | (29) | 4.7% | (19) | 61.6 | (30) | 4.3% | (10) | 360 | (49) | 46.3 | (32) |
| Louisiana | 29,996 | (11) | 6,452.4 | (7) | 2,115 | (9) | 7.1% | (4) | 455.0 | (5) | 1.4% | (44) | 1,141 | (8) | 83.3 | (18) |
| Maine | 1,226 | (46) | 912.1 | (46) | 61 | (42) | 5.0% | (16) | 45.4 | (36) | 2.3% | (35) | 313 | (50) | 19.8 | (43) |
| Maryland | 27,117 | (13) | 4,485.4 | (10) | 1,390 | (11) | 5.1% | (15) | 229.9 | (10) | 4.5% | (8) | 764 | (20) | 165.5 | (10) |
| Massachusetts | 70,271 | (3) | 10,111.7 | (3) | 4,212 | (3) | 6.0% | (17) | 606.1 | (4) | 2.5% | (32) | 1,621 | (3) | 246.0 | (4) |
| Michigan | 44,397 | (7) | 4,445.5 | (11) | 4,179 | (4) | 9.4% | (1) | 418.4 | (6) | 1.4% | (43) | 830 | (16) | 73.5 | (22) |
| Minnesota | 7,851 | (28) | 1,392.1 | (36) | 455 | (20) | 5.8% | (10) | 80.7 | (22) | 8.9% | (1) | 763 | (30) | 93.0 | (16) |
| Mississippi | 8,207 | (27) | 2,757.6 | (19) | 342 | (25) | 4.2% | (25) | 114.9 | (16) | 3.8% | (15) | 763 | (21) | 89.5 | (17) |
| Missouri | 8,977 | (24) | 1,462.7 | (34) | 400 | (21) | 4.5% | (20) | 65.2 | (27) | 2.9% | (24) | 502 | (39) | 37.3 | (37) |
| Montana | 457 | (50) | 427.6 | (51) | 16 | (49) | 3.5% | (36) | 15.0 | (48) | 0.2% | (51) | 278 | (51) | 0.8 | (51) |
| Nebraska | 6,438 | (30) | 3,328.2 | (13) | 82 | (40) | 1.3% | (48) | 42.4 | (38) | 8.5% | (2) | 813 | (19) | 226.3 | (5) |
| Nevada | 5,594 | (33) | 1,816.1 | (26) | 276 | (28) | 4.9% | (18) | 89.6 | (19) | 2.3% | (36) | 360 | (48) | 36.6 | (38) |
| New Hampshire | 2,636 | (42) | 1,938.6 | (24) | 92 | (38) | 3.5% | (37) | 67.7 | (25) | 4.2% | (12) | 707 | (24) | 65.8 | (25) |
| New Jersey | 131,705 | (2) | 14,828.0 | (2) | 8,292 | (2) | 6.3% | (6) | 933.6 | (2) | 2.1% | (39) | 857 | (15) | 287.1 | (1) |
| New Mexico | 4,138 | (37) | 1,973.5 | (23) | 162 | (35) | 3.9% | (31) | 77.3 | (23) | 3.9% | (14) | 1,561 | (4) | 79.3 | (19) |
| New York | 330,139 | (1) | 16,970.6 | (1) | 25,204 | (1) | 7.6% | (3) | 1,295.6 | (1) | 1.2% | (46) | 1,351 | (5) | 210.7 | (6) |
| North Carolina | 12,511 | (20) | 1,192.9 | (40) | 470 | (19) | 3.8% | (32) | 44.8 | (37) | 3.1% | (23) | 532 | (35) | 37.8 | (36) |
| North Dakota | 1,266 | (44) | 1,661.3 | (31) | 25 | (46) | 2.0% | (46) | 32.8 | (42) | 3.5% | (18) | 2,380 | (2) | 51.6 | (27) |
| Ohio | 20,971 | (15) | 1,794.1 | (27) | 1,136 | (14) | 5.4% | (12) | 97.2 | (18) | 3.1% | (22) | 465 | (43) | 51.4 | (28) |
| Oklahoma | 4,127 | (38) | 1,043.0 | (44) | 247 | (31) | 6.0% | (8) | 62.4 | (29) | 2.7% | (27) | 712 | (23) | 25.9 | (41) |
| Oregon | 2,839 | (40) | 673.1 | (48) | 113 | (37) | 4.0% | (29) | 26.8 | (46) | 2.5% | (31) | 482 | (41) | 15.4 | (45) |
| Pennsylvania | 53,907 | (6) | 4,210.8 | (12) | 3,196 | (5) | 5.9% | (9) | 249.6 | (9) | 2.3% | (33) | 466 | (42) | 99.2 | (13) |
| Rhode Island | 9,933 | (22) | 9,376.4 | (4) | 355 | (23) | 3.6% | (34) | 335.1 | (8) | 2.9% | (25) | 2,527 | (1) | 270.6 | (2) |
| South Carolina | 6,841 | (29) | 1,328.7 | (37) | 296 | (27) | 4.3% | (22) | 57.5 | (33) | 2.3% | (34) | 434 | (45) | 30.7 | (39) |
| South Dakota | 2,721 | (41) | 3,075.8 | (16) | 24 | (47) | 0.9% | (51) | 27.1 | (45) | 2.1% | (38) | 389 | (47) | 65.9 | (24) |
| Tennessee | 13,690 | (19) | 2,003.5 | (22) | 226 | (32) | 1.7% | (47) | 33.1 | (41) | 5.0% | (6) | 1,190 | (6) | 76.1 | (20) |
| Texas | 34,238 | (9) | 1,180.8 | (42) | 960 | (15) | 2.8% | (41) | 33.1 | (40) | 3.8% | (16) | 625 | (29) | 39.7 | (35) |
| Utah | 5,449 | (34) | 1,699.6 | (30) | 56 | (43) | 1.0% | (50) | 17.5 | (47) | 3.1% | (21) | 1,082 | (11) | 49.3 | (29) |
| Vermont | 907 | (47) | 1,453.6 | (35) | 52 | (44) | 5.7% | (11) | 83.3 | (21) | 0.9% | (48) | 527 | (36) | 10.3 | (48) |
| Virginia | 20,256 | (16) | 2,373.1 | (20) | 713 | (18) | 3.5% | (35) | 83.5 | (20) | 5.0% | (5) | 518 | (37) | 99.0 | (14) |
| Washington | 16,360 | (18) | 2,148.4 | (21) | 870 | (17) | 5.3% | (13) | 114.2 | (17) | 2.7% | (26) | 687 | (25) | 47.2 | (31) |
| West Virginia | 1,242 | (45) | 695.0 | (47) | 50 | (45) | 4.0% | (28) | 28.0 | (43) | 2.0% | (41) | 941 | (12) | 11.8 | (47) |
| Wisconsin | 8,566 | (25) | 1,471.2 | (33) | 353 | (24) | 4.1% | (26) | 60.6 | (31) | 4.6% | (7) | 557 | (34) | 55.9 | (26) |
| Wyoming | 604 | (49) | 1,012.5 | (45) | 7 | (51) | 1.2% | (49) | 12.1 | (50) | 1.8% | (42) | 568 | (33) | 20.7 | (42) |
| United States | 1,188,122 | | 3,589.5 | | 68,598 | | 5.8% | | 218.3 | | 2.8% | | 753 | | 87.1 | |

© 2020 [Health Industry Advisor LLC](#) analysis, using data from [Covid Tracking Project](#) and [World Health Organization](#)

Several States Are Near A Peak in Active Cases

“Strategic Guidance in an Era of Unprecedented Change”

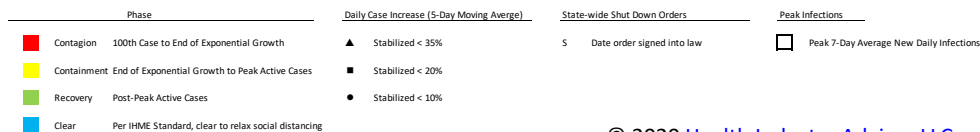
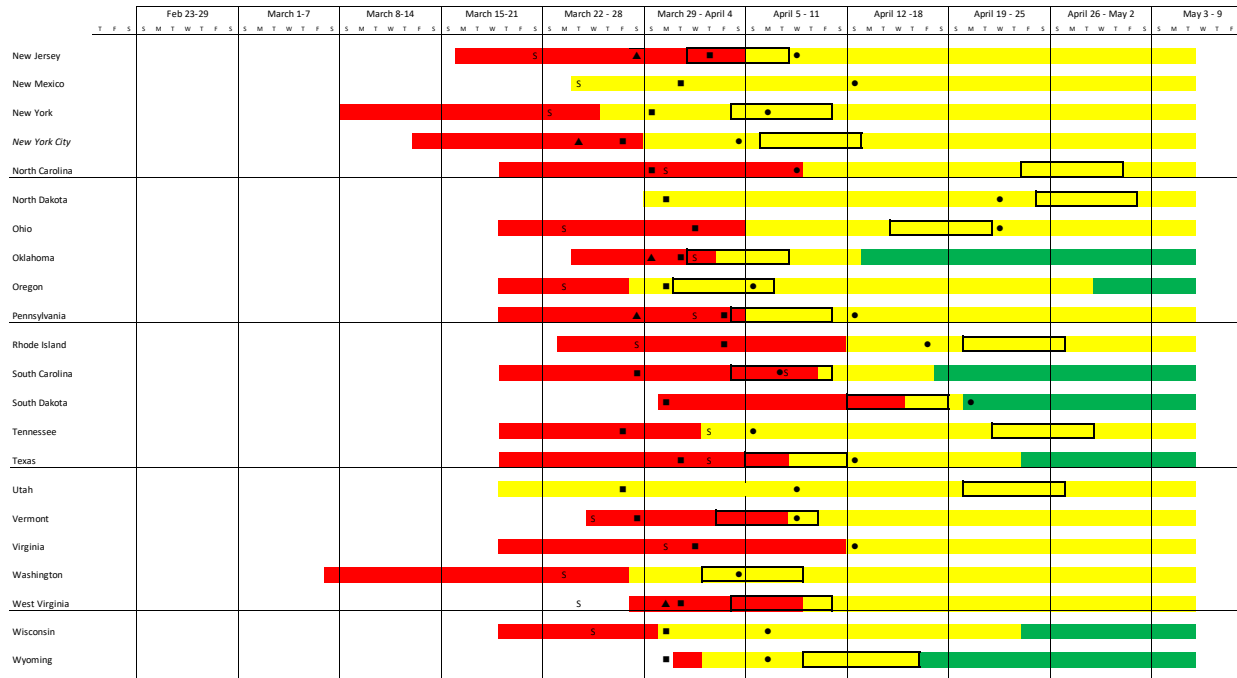


State-by-State Virus Progression – 2 of 2

“Strategic Guidance in an Era of Unprecedented Change”

This graphic illustrates when the country first recorded 100 total cases (start of the “contagion” phase); when growth stopped following an exponential pattern (start of the “containment” phase); and, when peak total cases were recorded (start of the “recovery” phase). It uses symbols to indicate when average daily case growth rates fell (and were sustained) below certain benchmarks, as well as when deaths stopped growing exponentially.

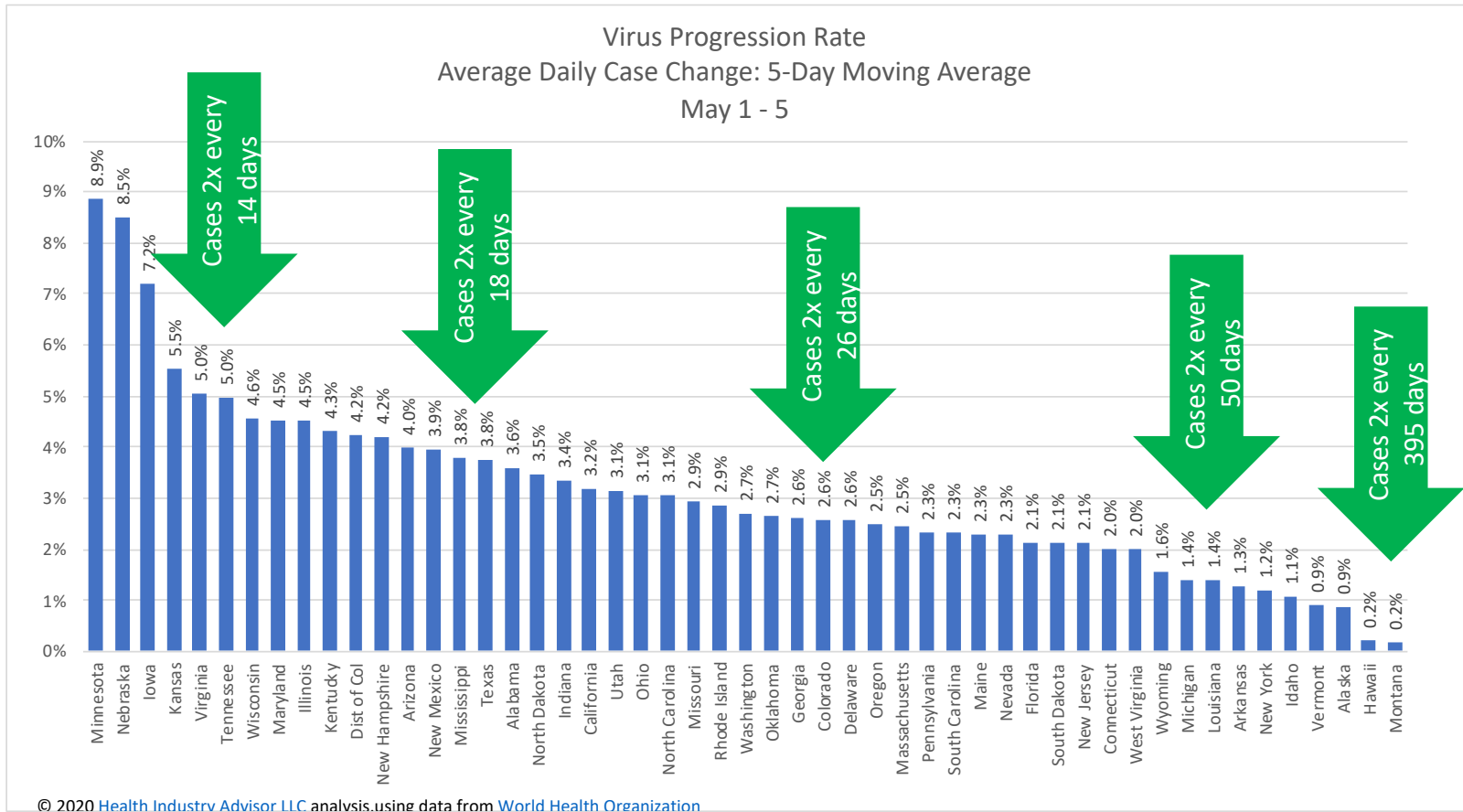
A state is not shaded green until active cases appear to have peaked.



© 2020 [Health Industry Advisor LLC](#) analysis, using data from [World Health Organization](#)

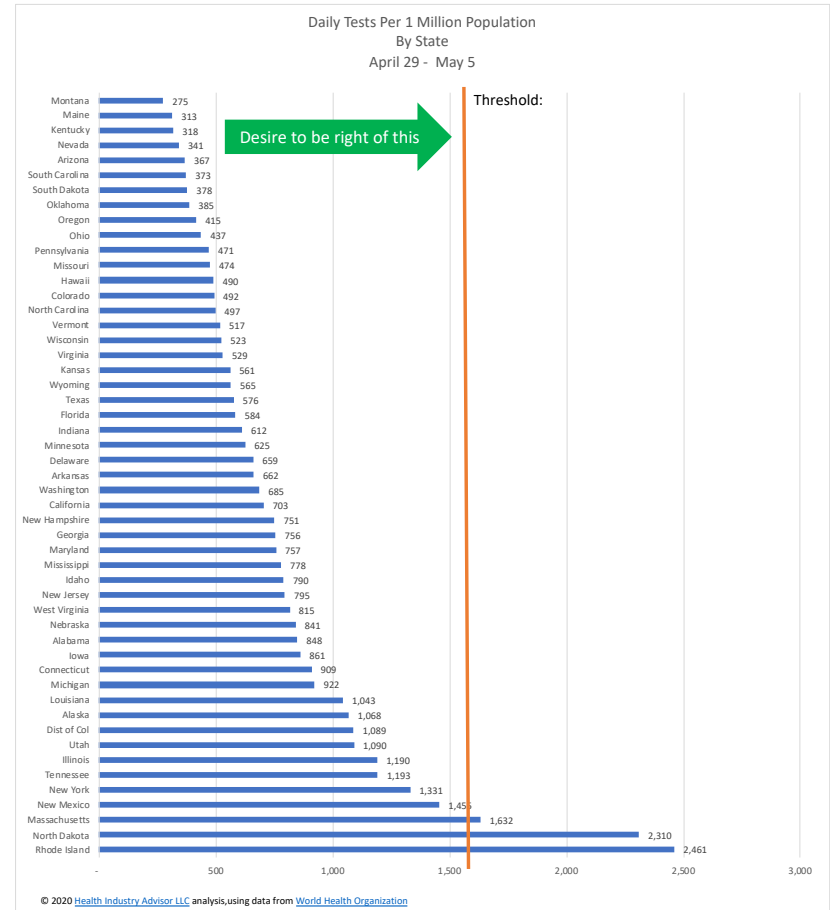
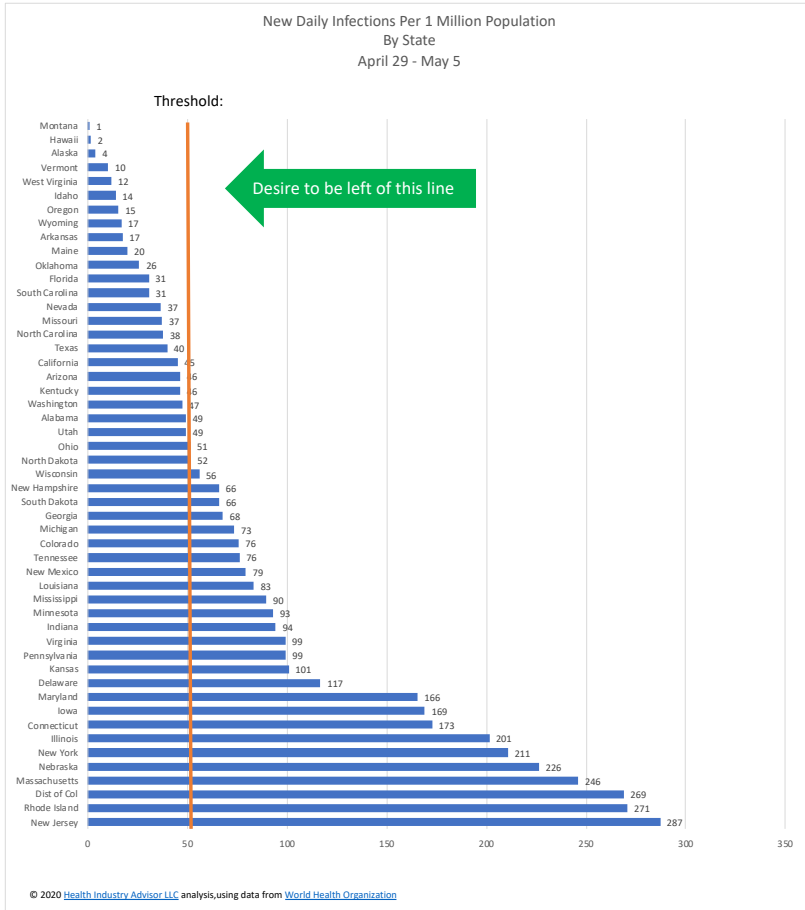
State-by-State Average Daily Case Growth

"Strategic Guidance in an Era of Unprecedented Change"



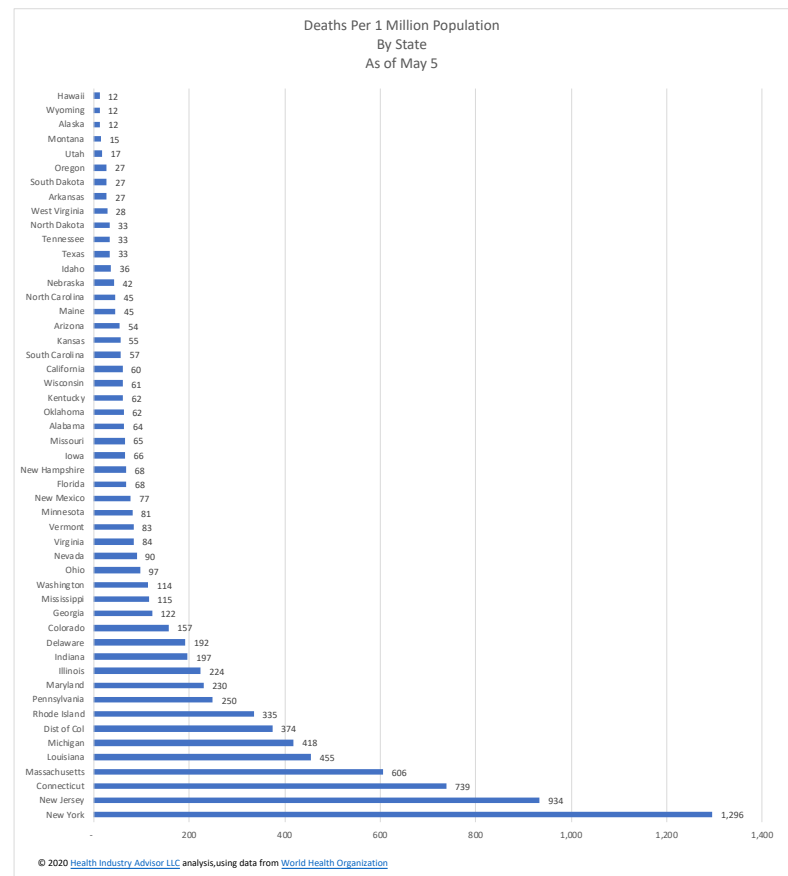
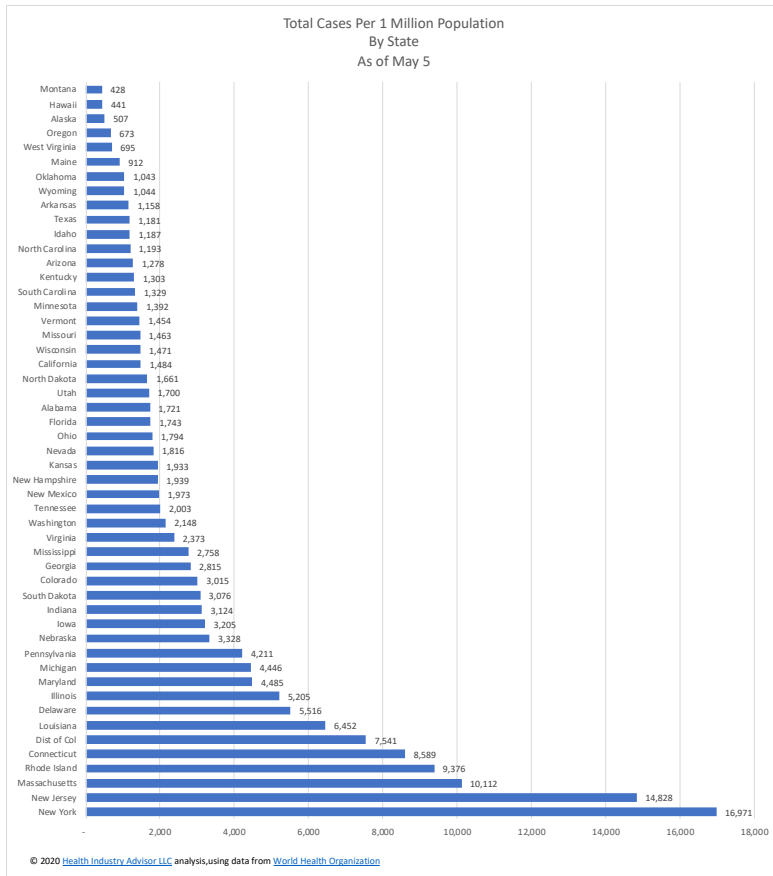
State-by-State New Daily Infections & Tests Per Capita

“Strategic Guidance in an Era of Unprecedented Change”



State-by-State Cases & Deaths Per Capita

“Strategic Guidance in an Era of Unprecedented Change”



“Strategic Guidance in an Era of Unprecedented Change”

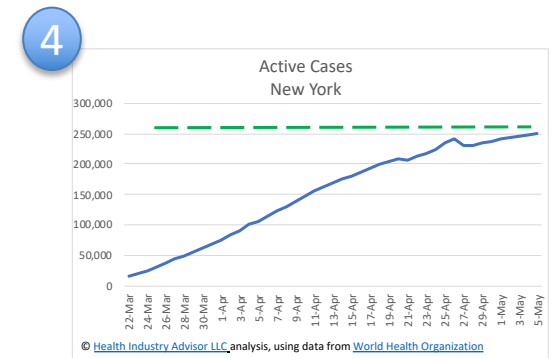
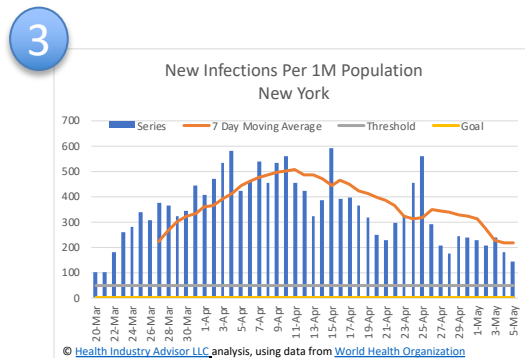
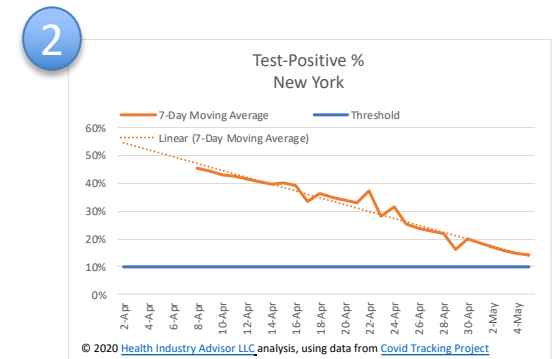
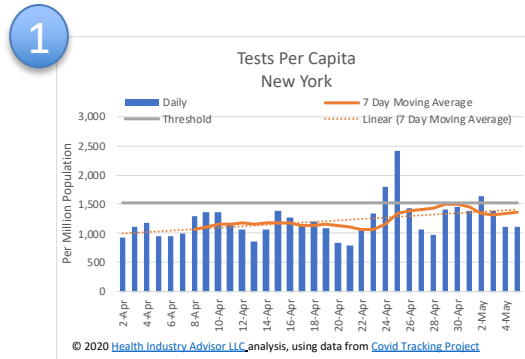
Graphics relevant to judging how far a state has progressed against the virus are provided on the following pages for:

- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- New Hampshire
- New Jersey
- New Mexico
- New York
- North Carolina

“Strategic Guidance in an Era of Unprecedented Change”

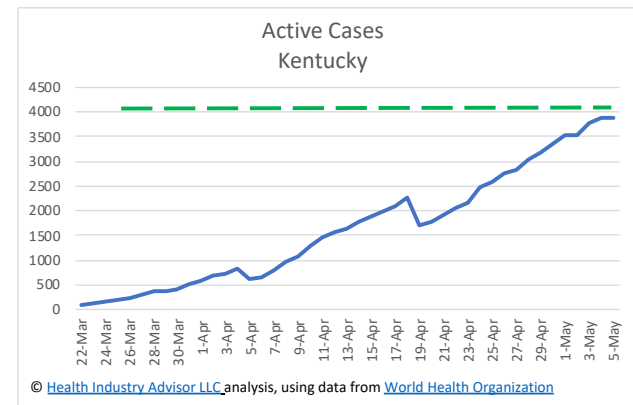
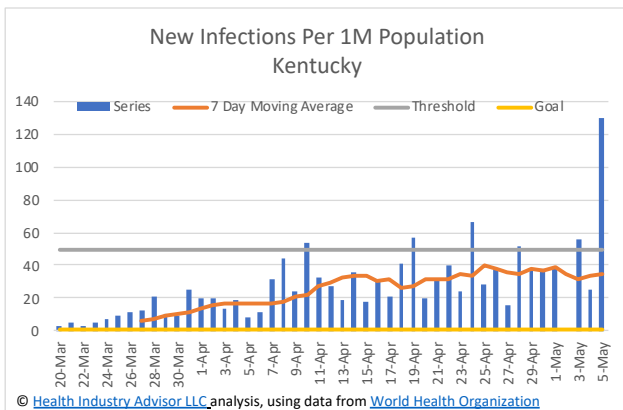
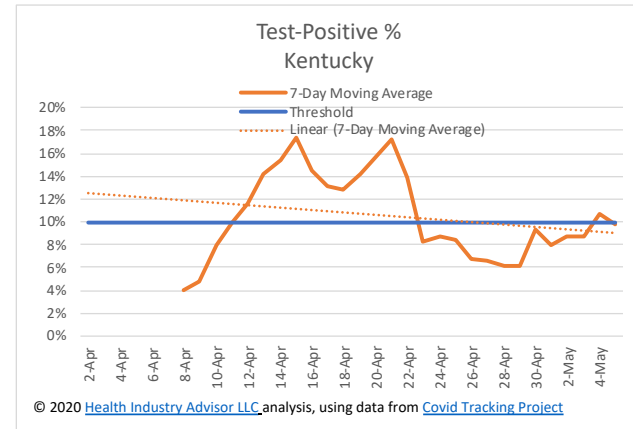
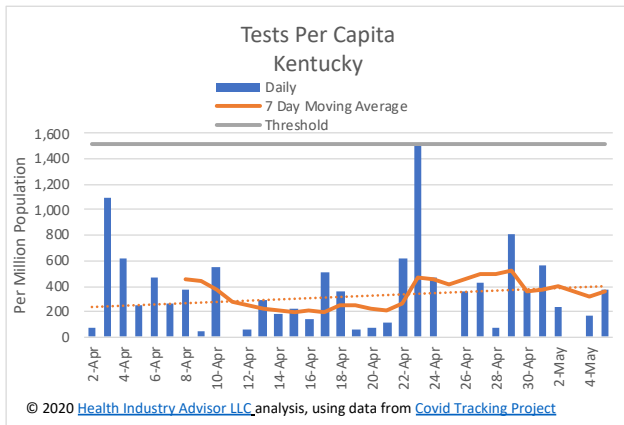
How to “read” these charts:

- Chart 1 – Desire to see tests per capita:
 - Above the threshold
 - Increasing or stable
- Chart 2 - Desire to see Test-Positive %:
 - Below the threshold
 - Declining or stable
- Chart 3 - Desire to see New Infections Per Capita:
 - Below the threshold
 - Declining or stable
- Chart 4 - Desire to see Active Cases:
 - Declining



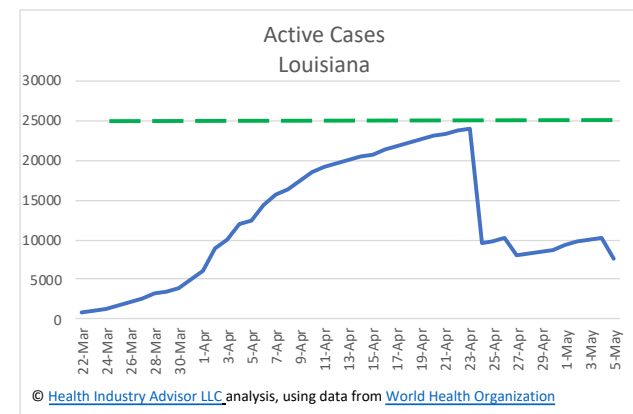
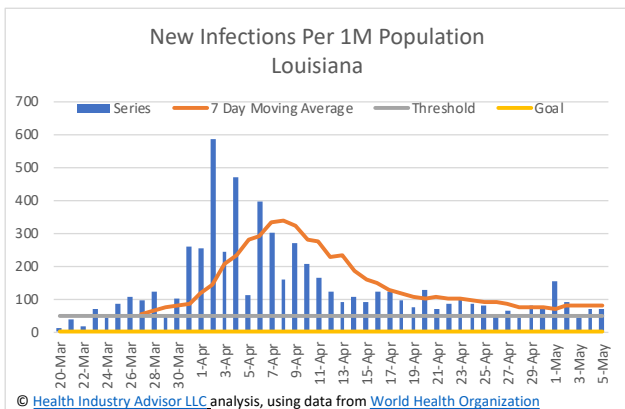
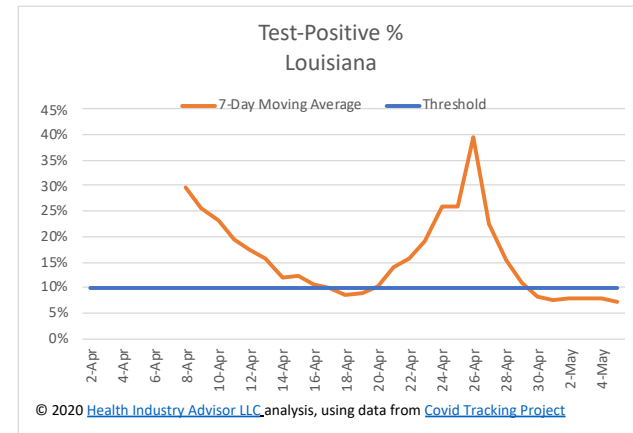
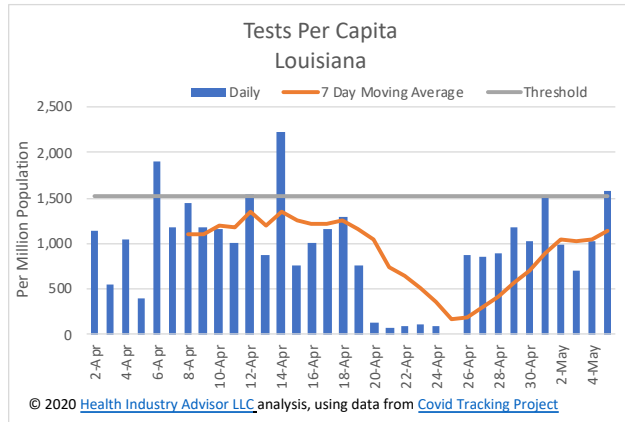
State-by-State Test, New Daily Infection and Active Case Trends

"Strategic Guidance in an Era of Unprecedented Change"



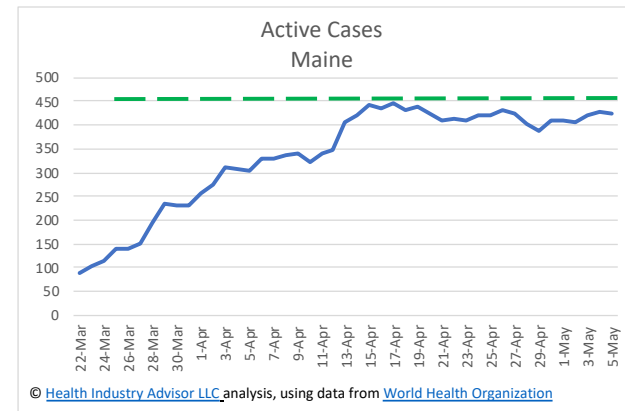
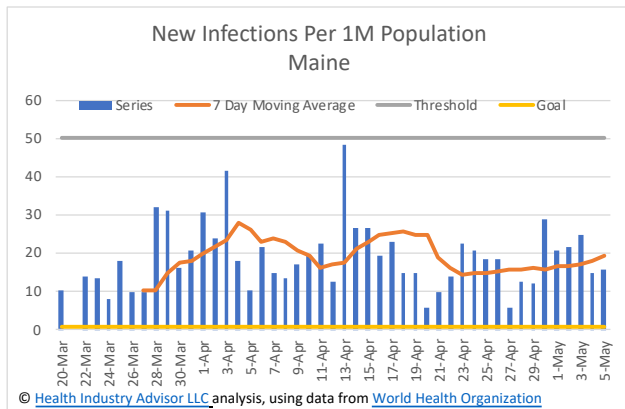
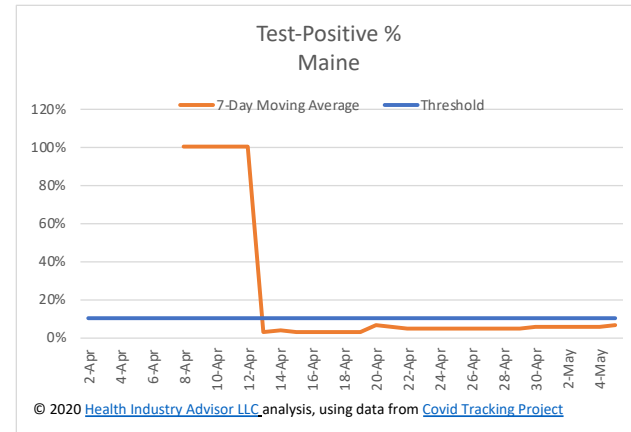
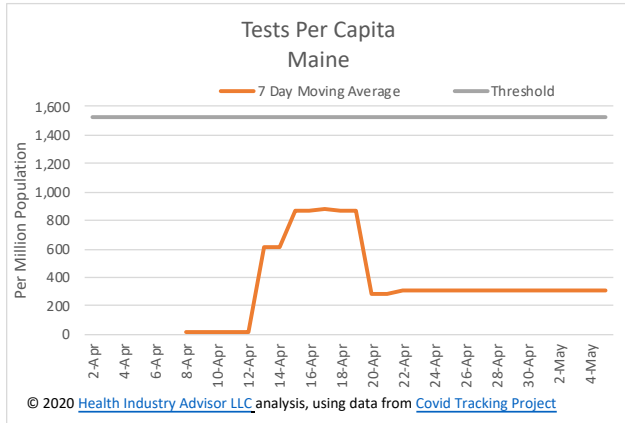
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



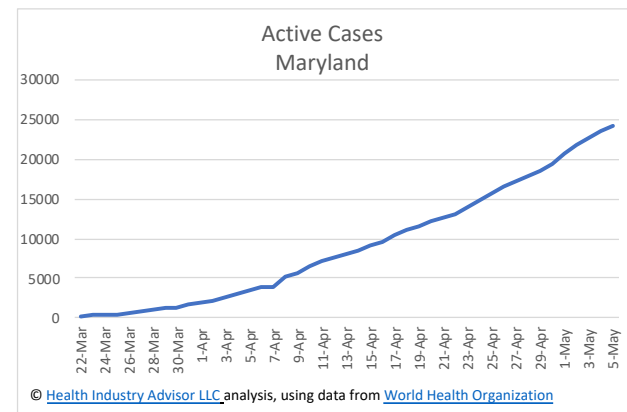
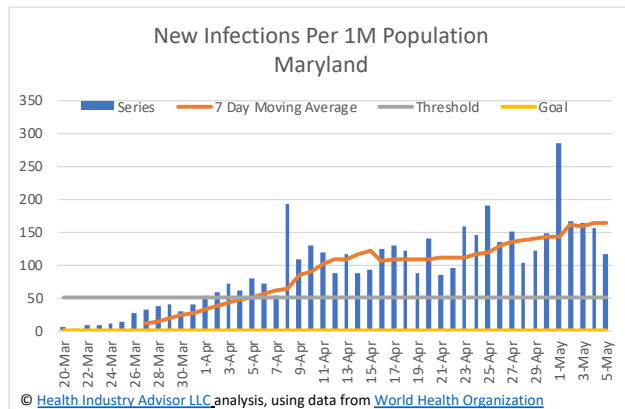
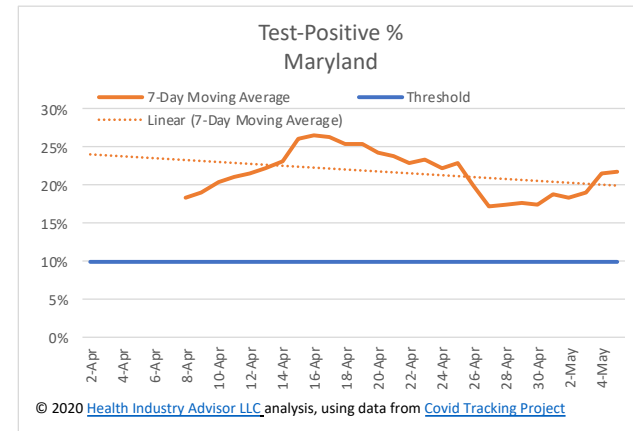
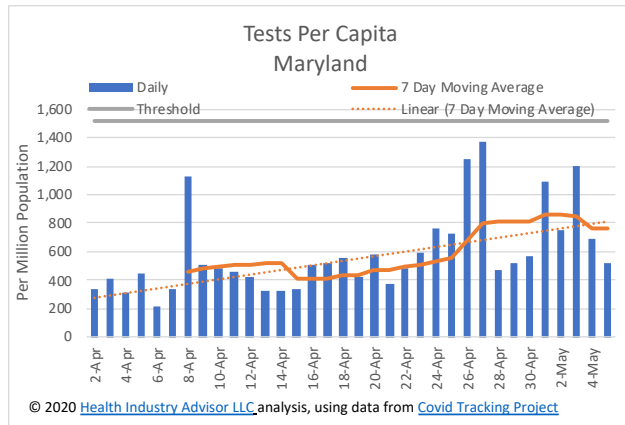
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



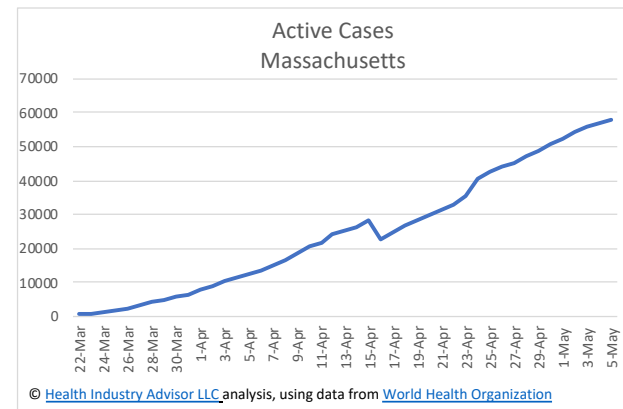
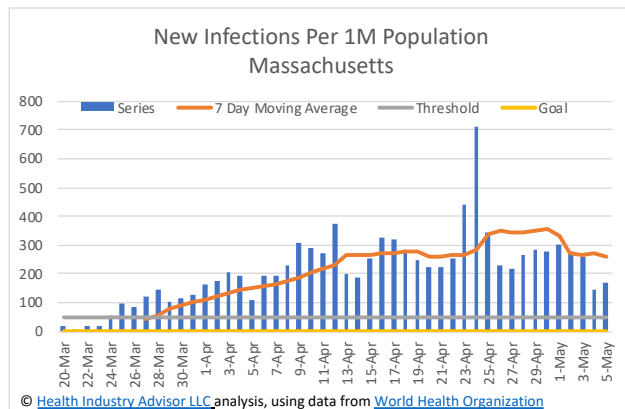
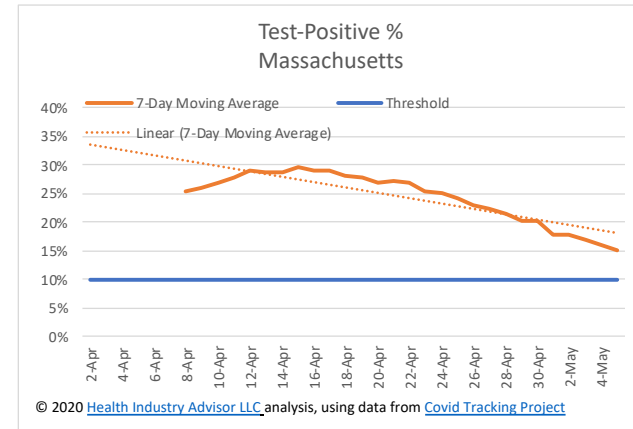
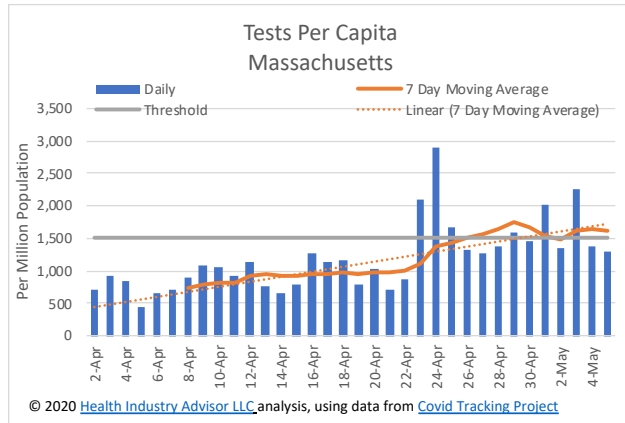
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



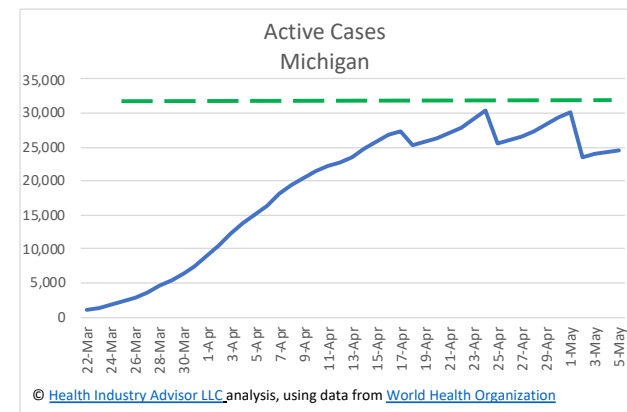
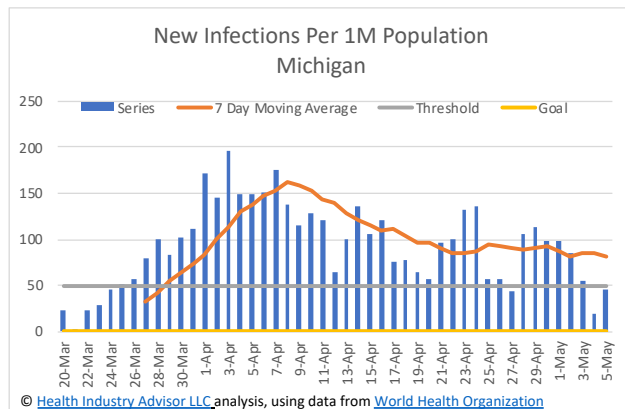
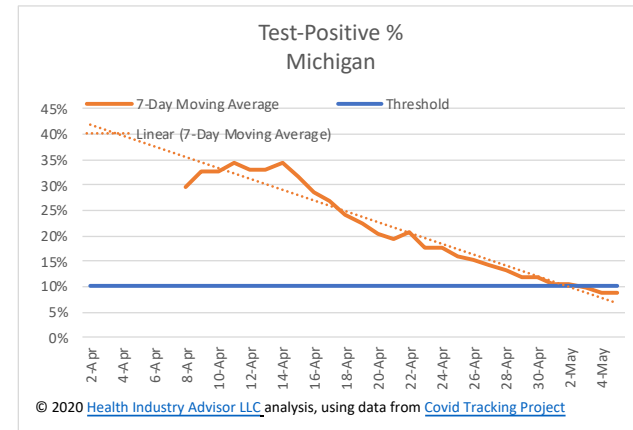
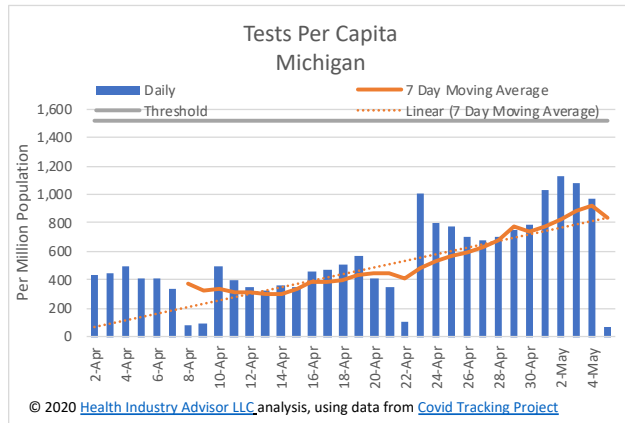
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



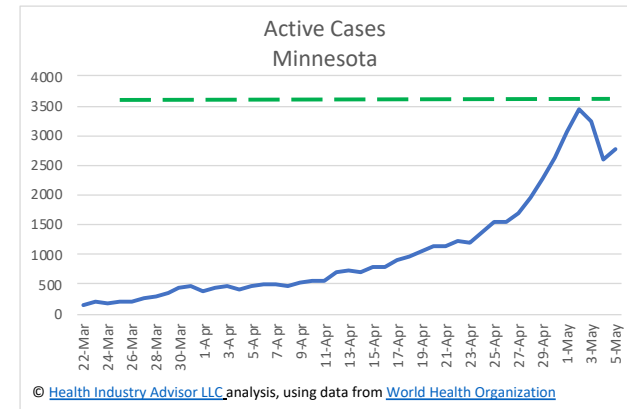
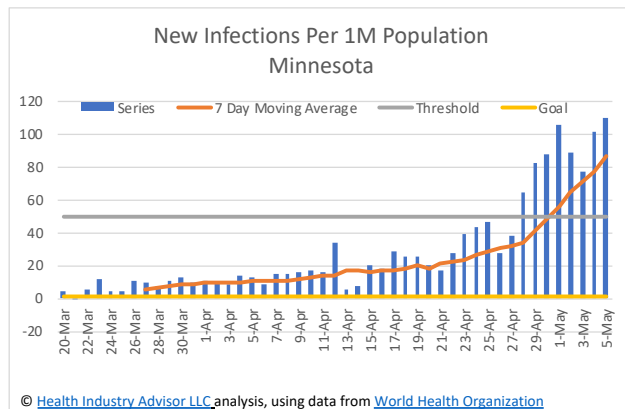
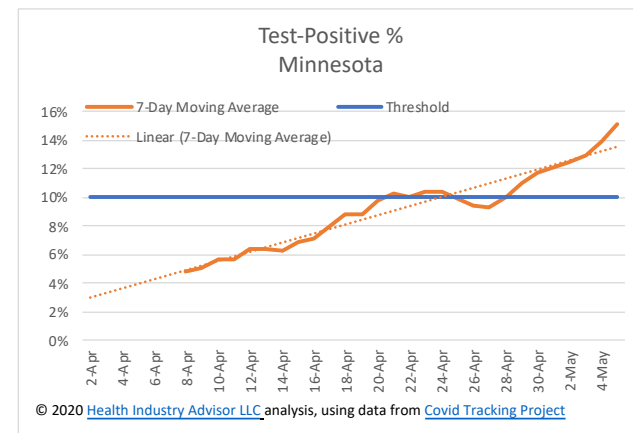
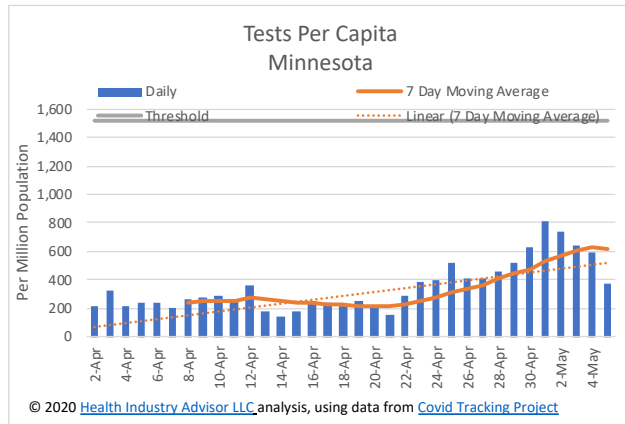
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



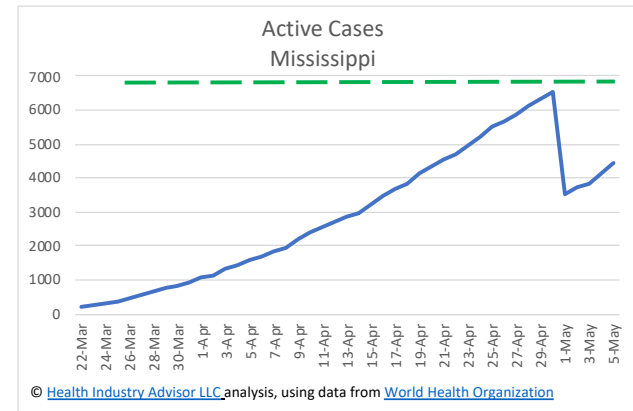
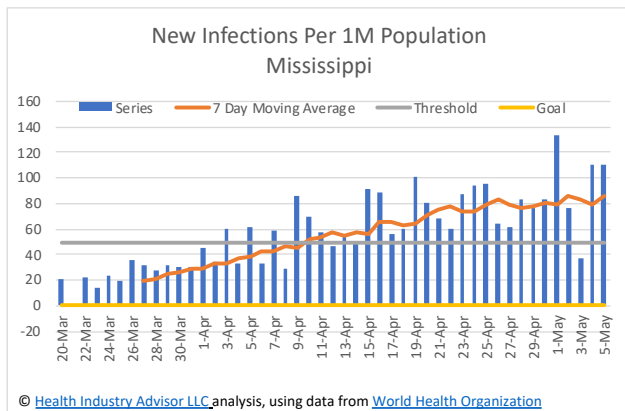
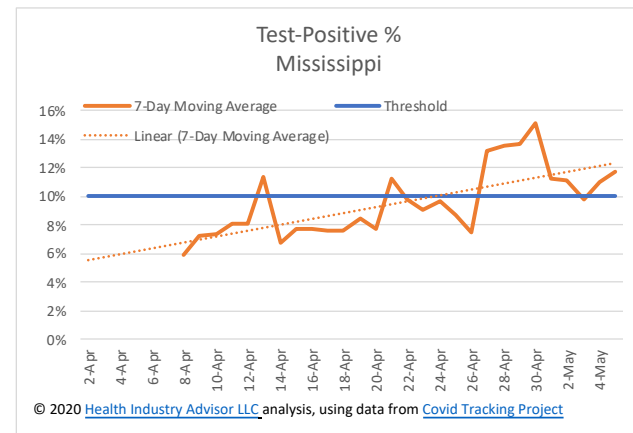
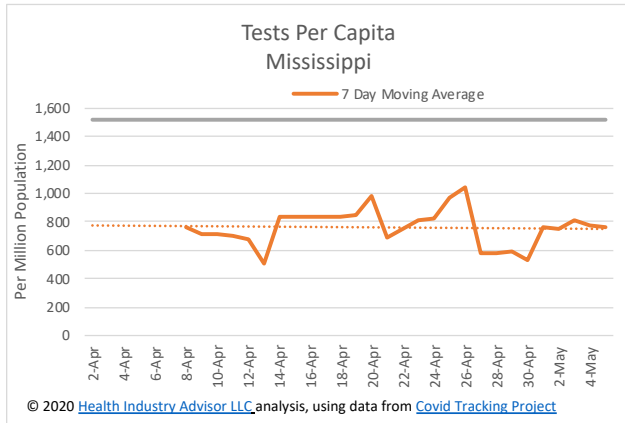
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



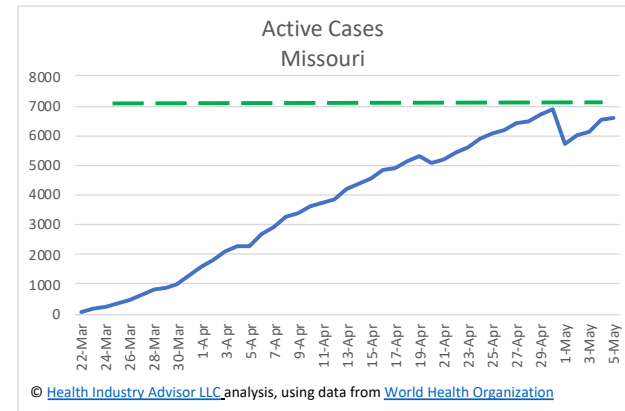
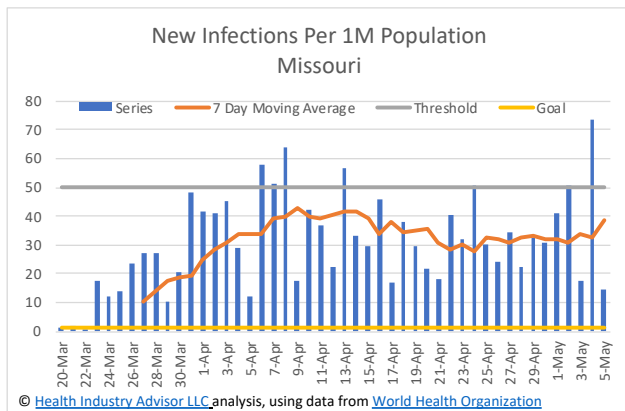
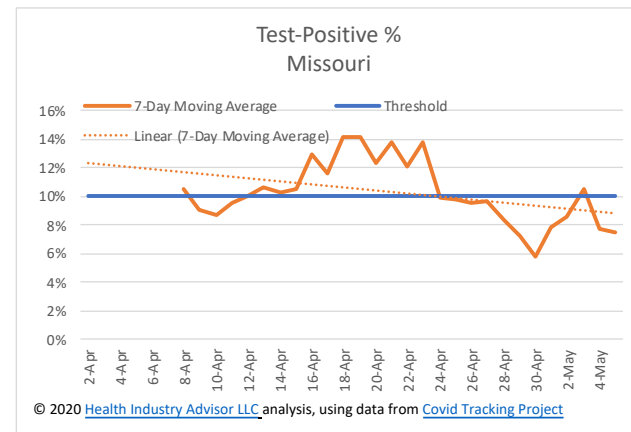
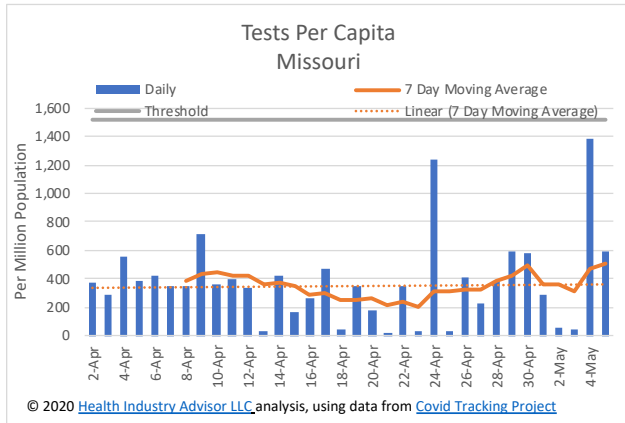
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



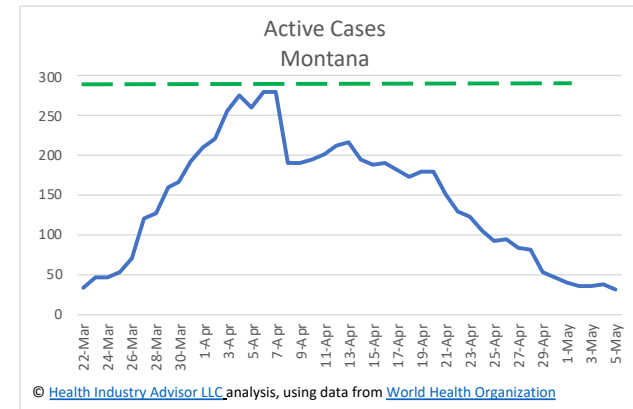
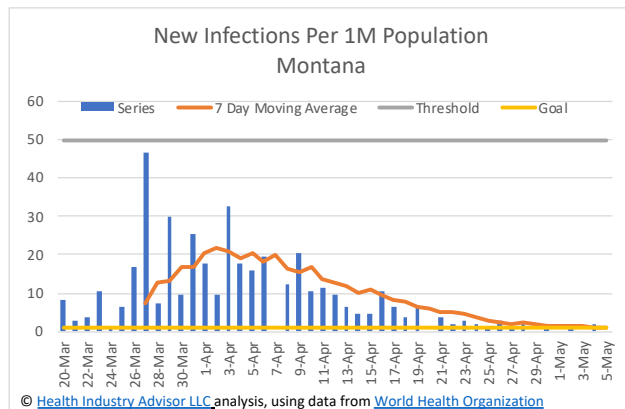
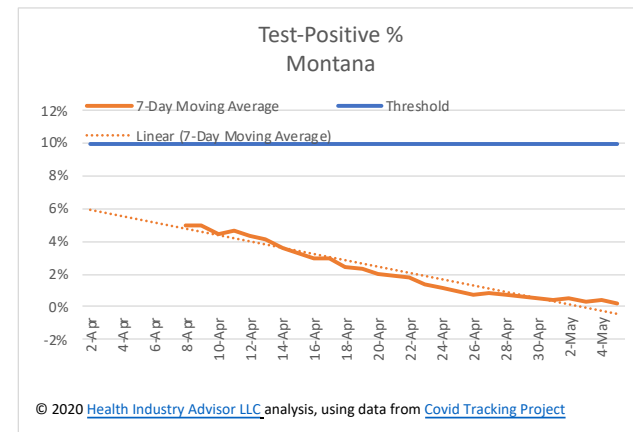
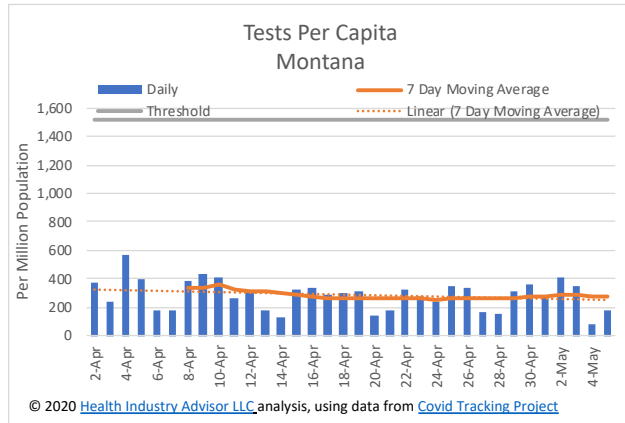
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



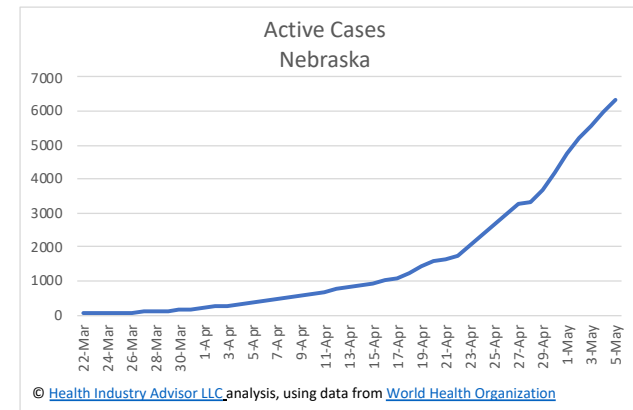
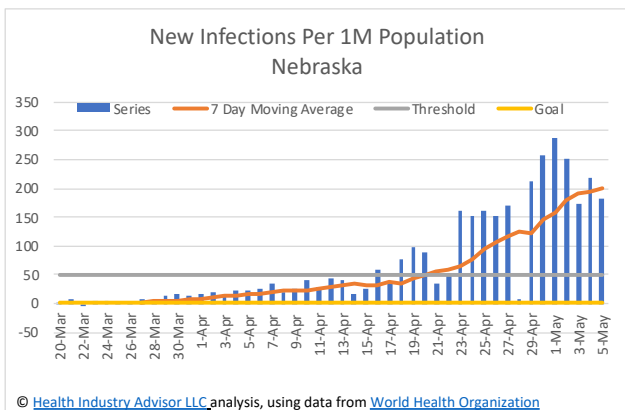
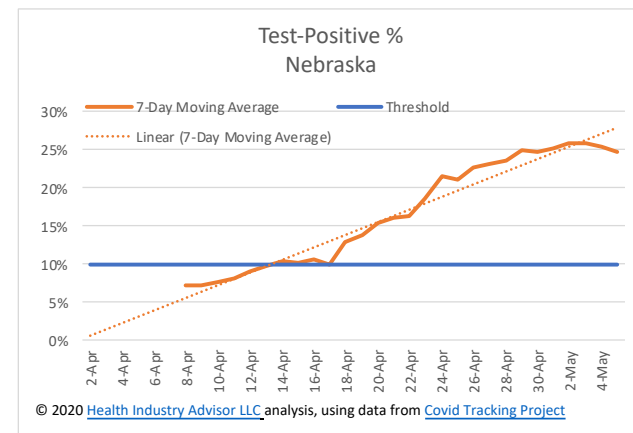
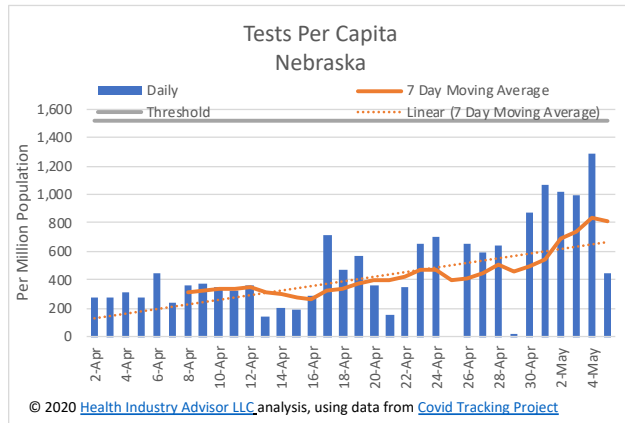
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



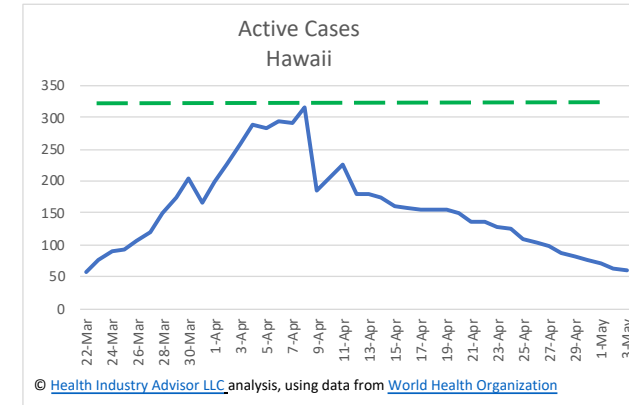
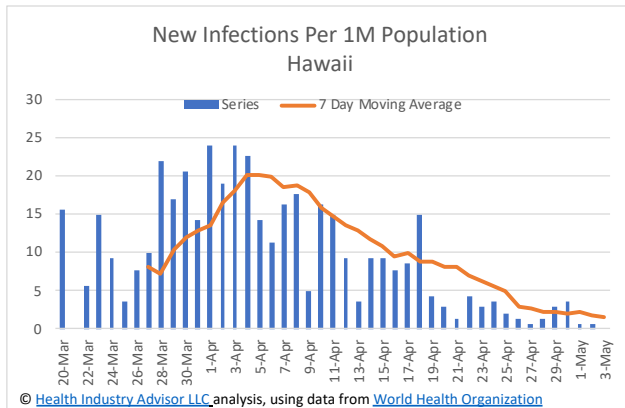
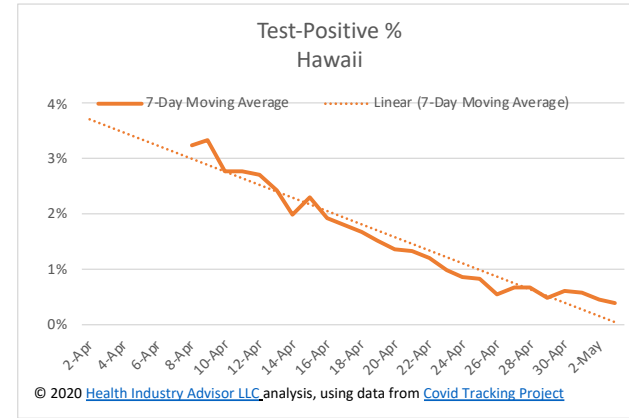
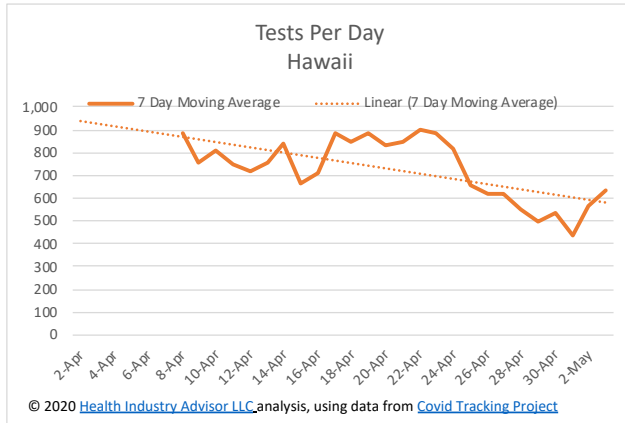
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



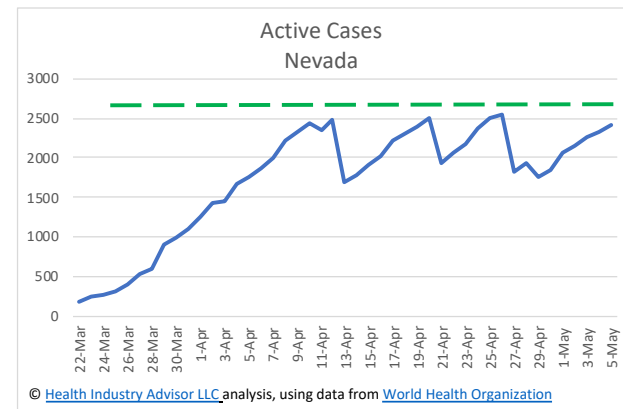
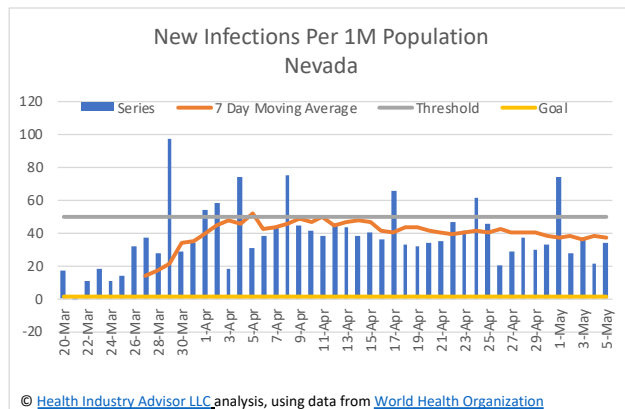
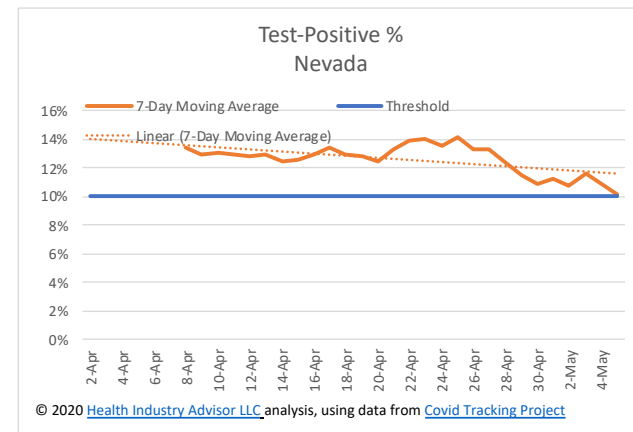
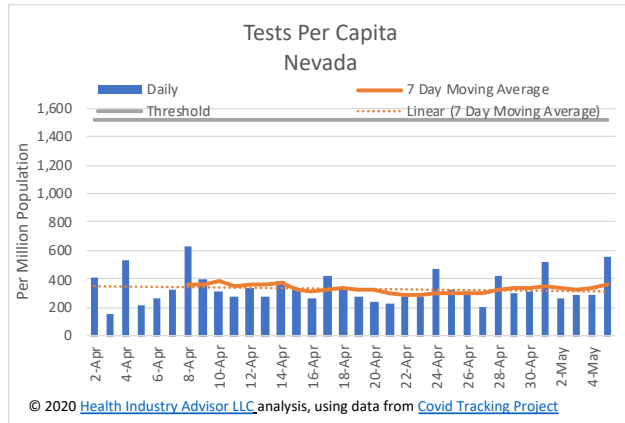
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



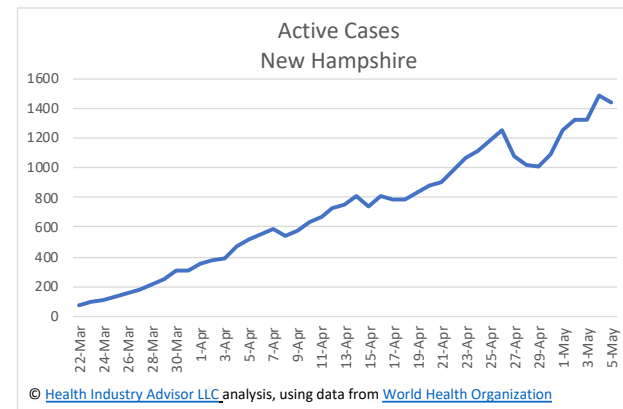
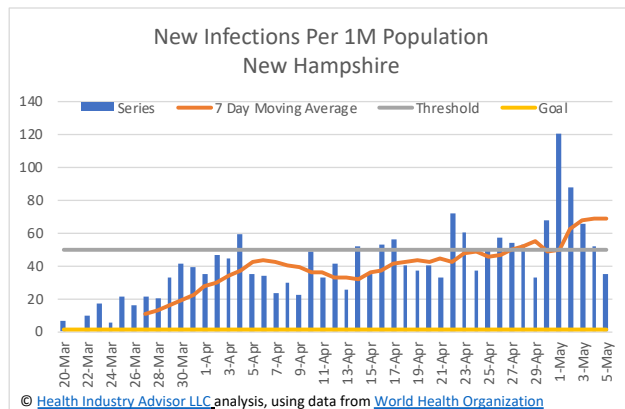
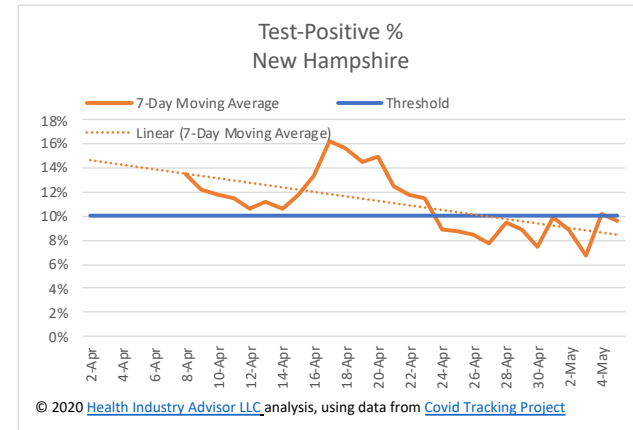
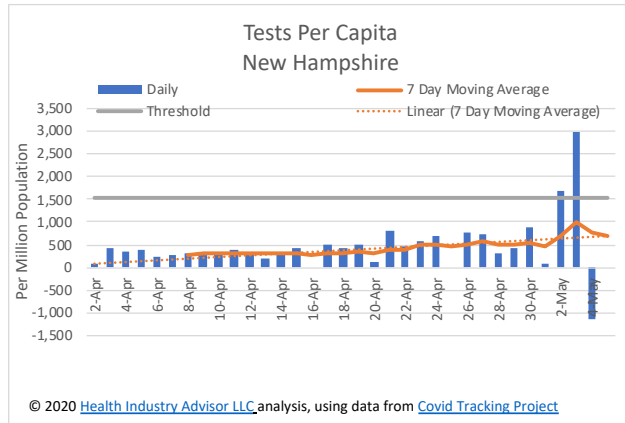
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



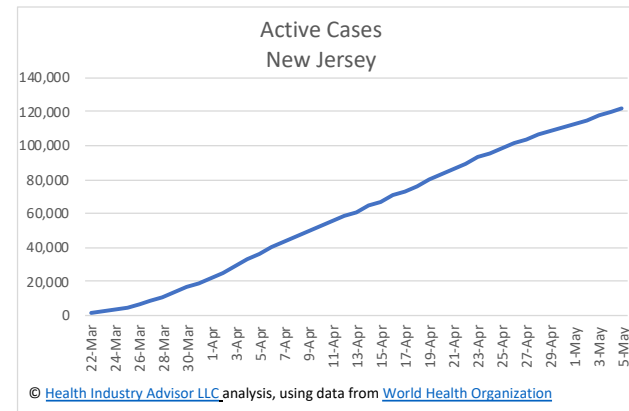
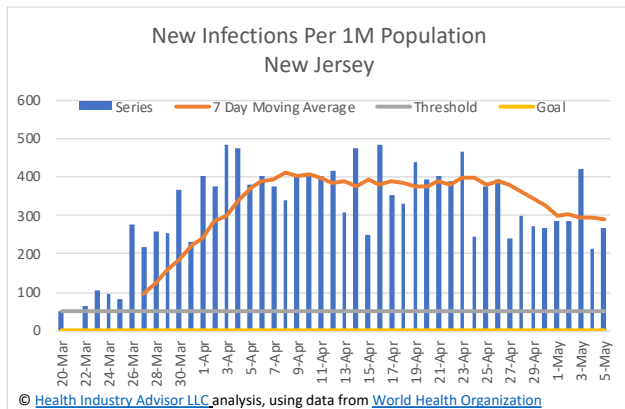
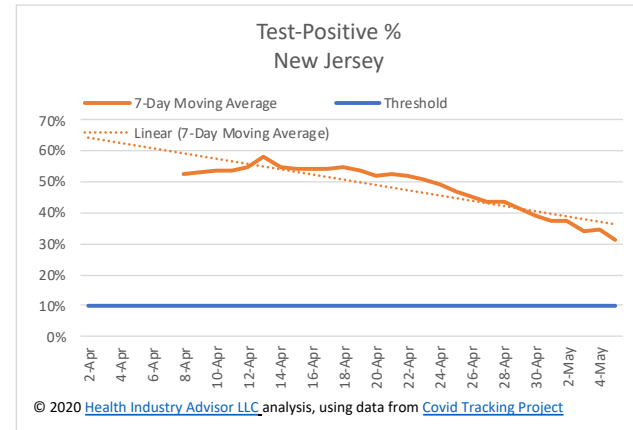
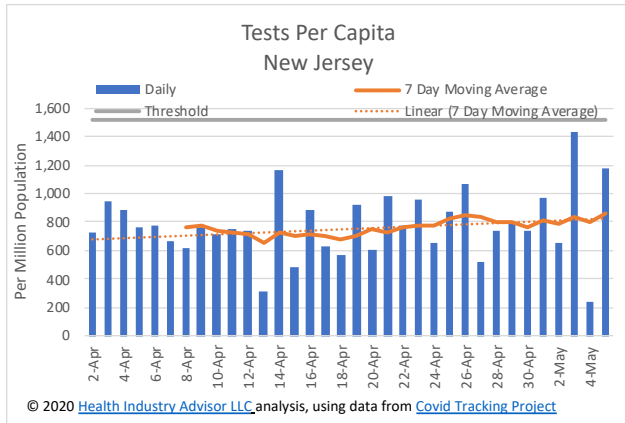
State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”



State-by-State Test, New Daily Infection and Active Case Trends

“Strategic Guidance in an Era of Unprecedented Change”

