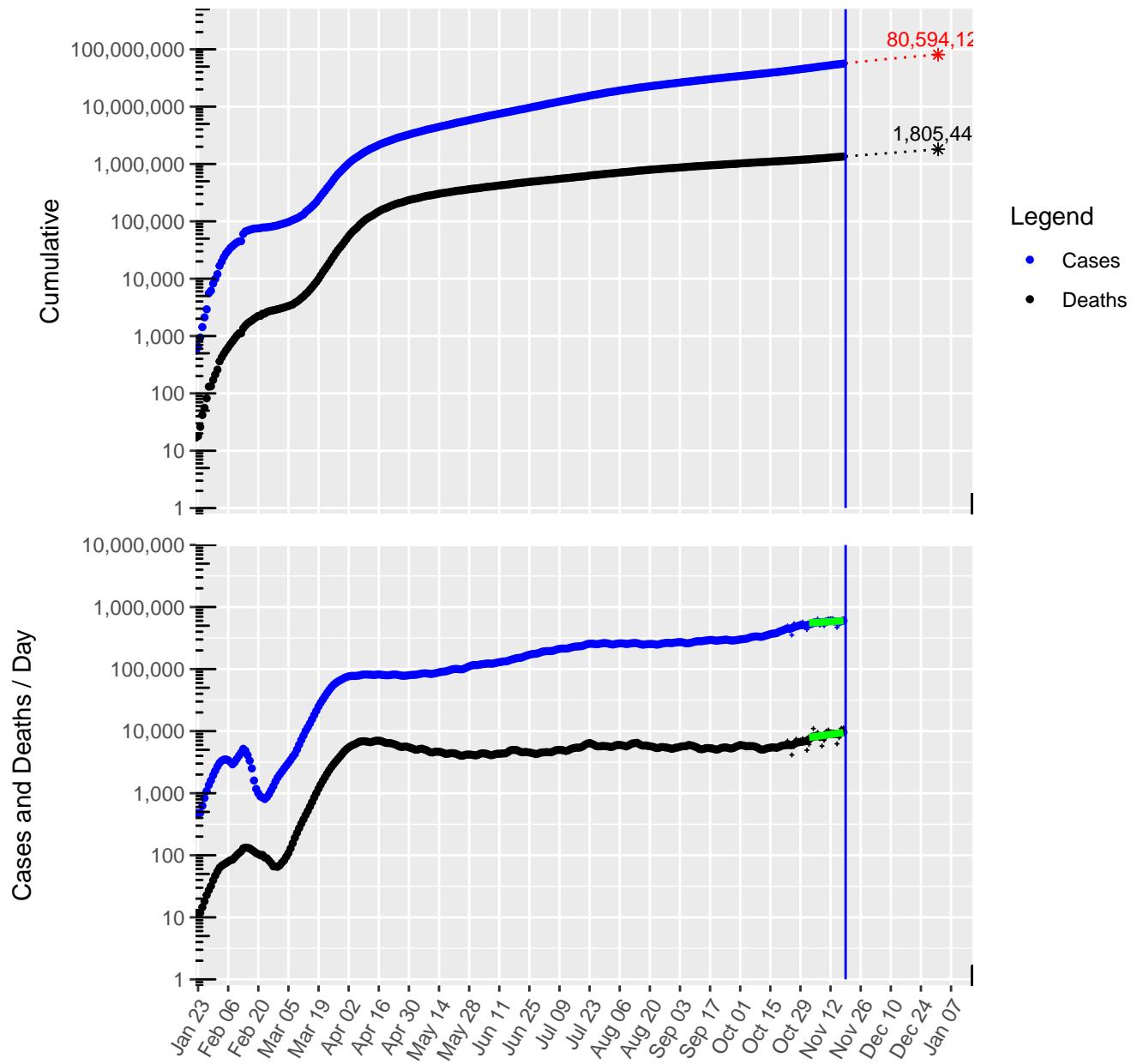
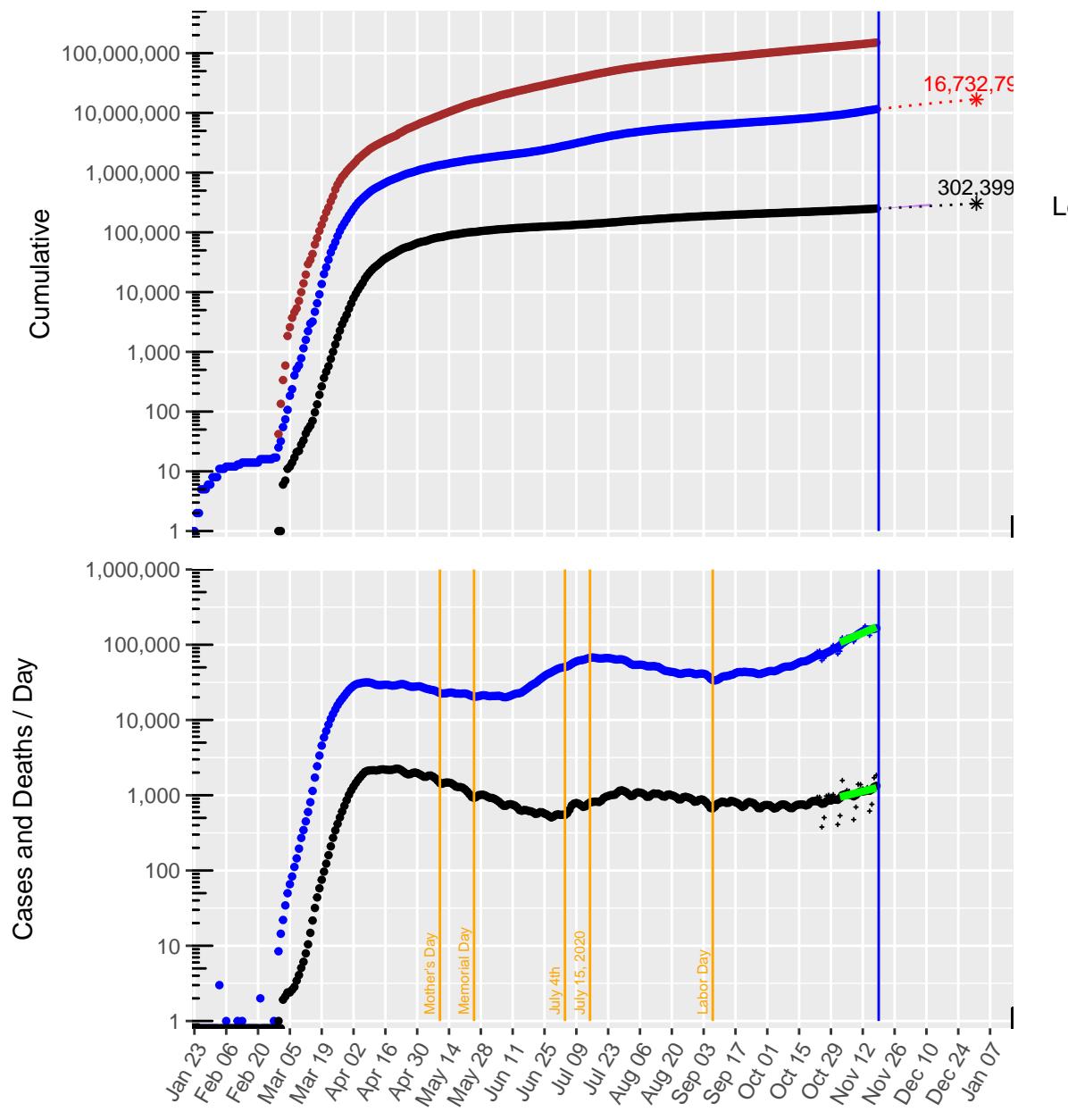


Worldwide projection as of 2020-11-19

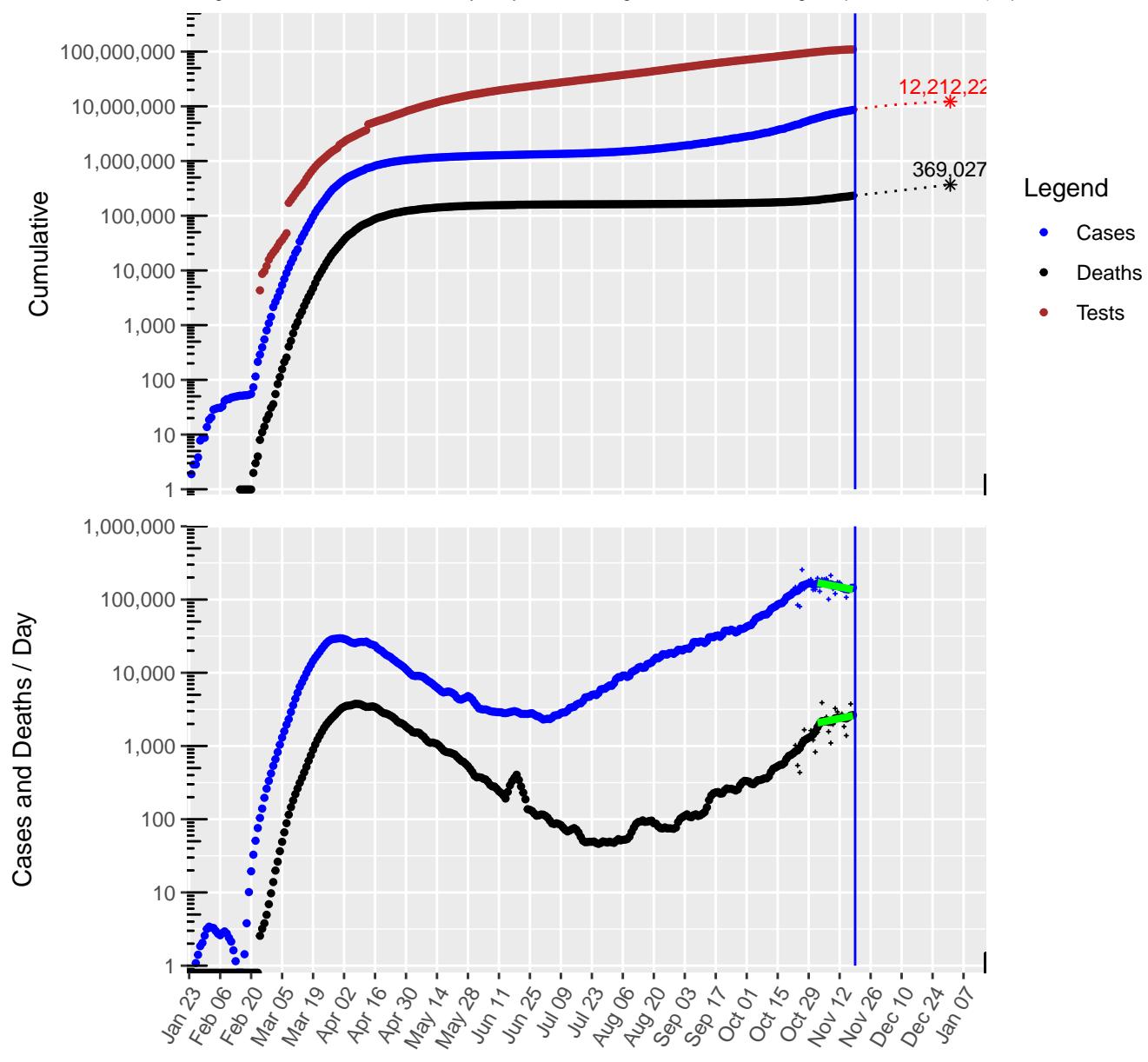


USA projection as of 2020-11-19



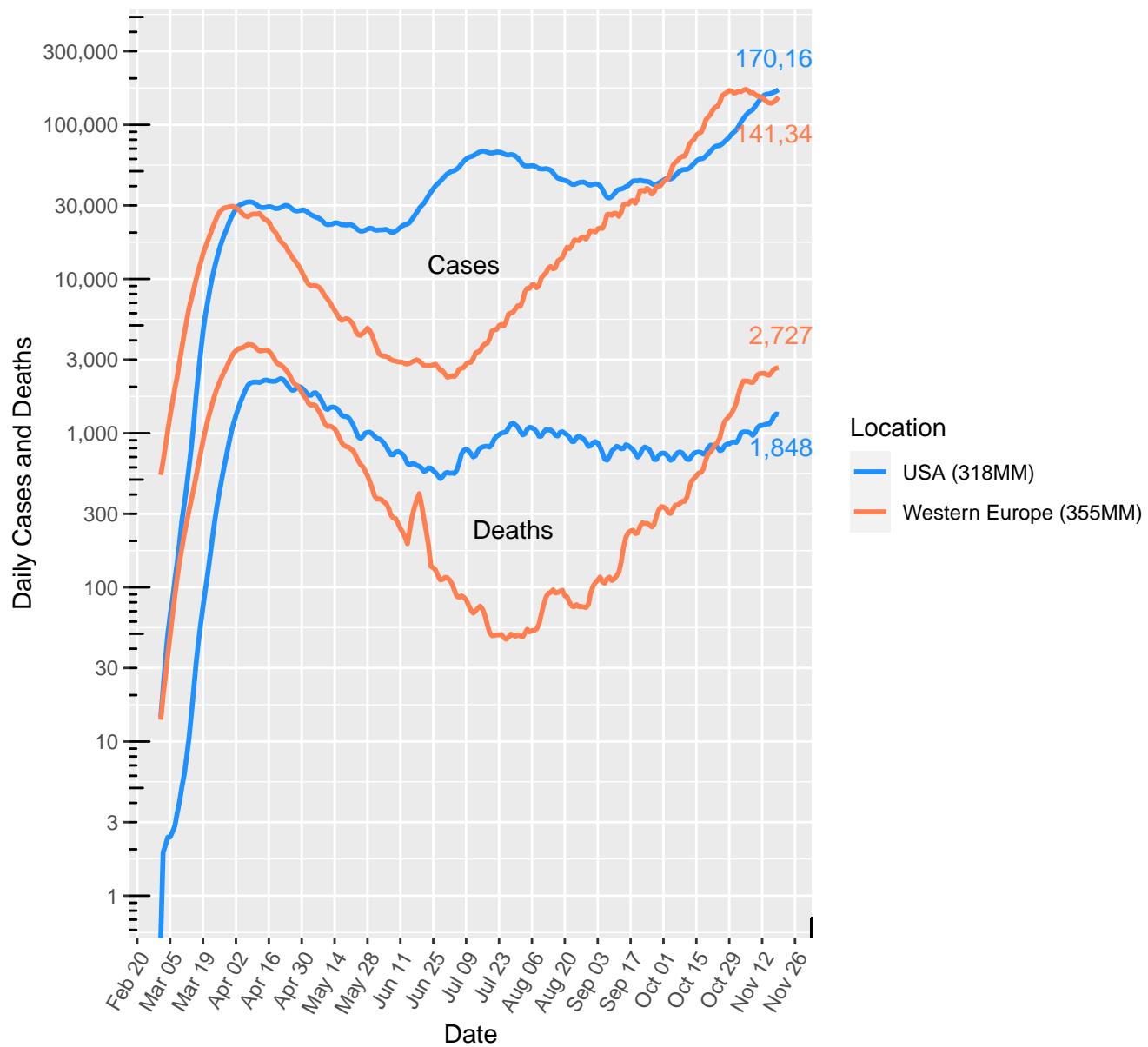
Western Europe projection as of 2020-11-19

Belgium, France, Greece, Germany, Italy, Luxembourg, Netherlands, Portugal, Spain, and the UK (Population = 355MM)



COVID-19 Cases & Deaths in the USA & Europe

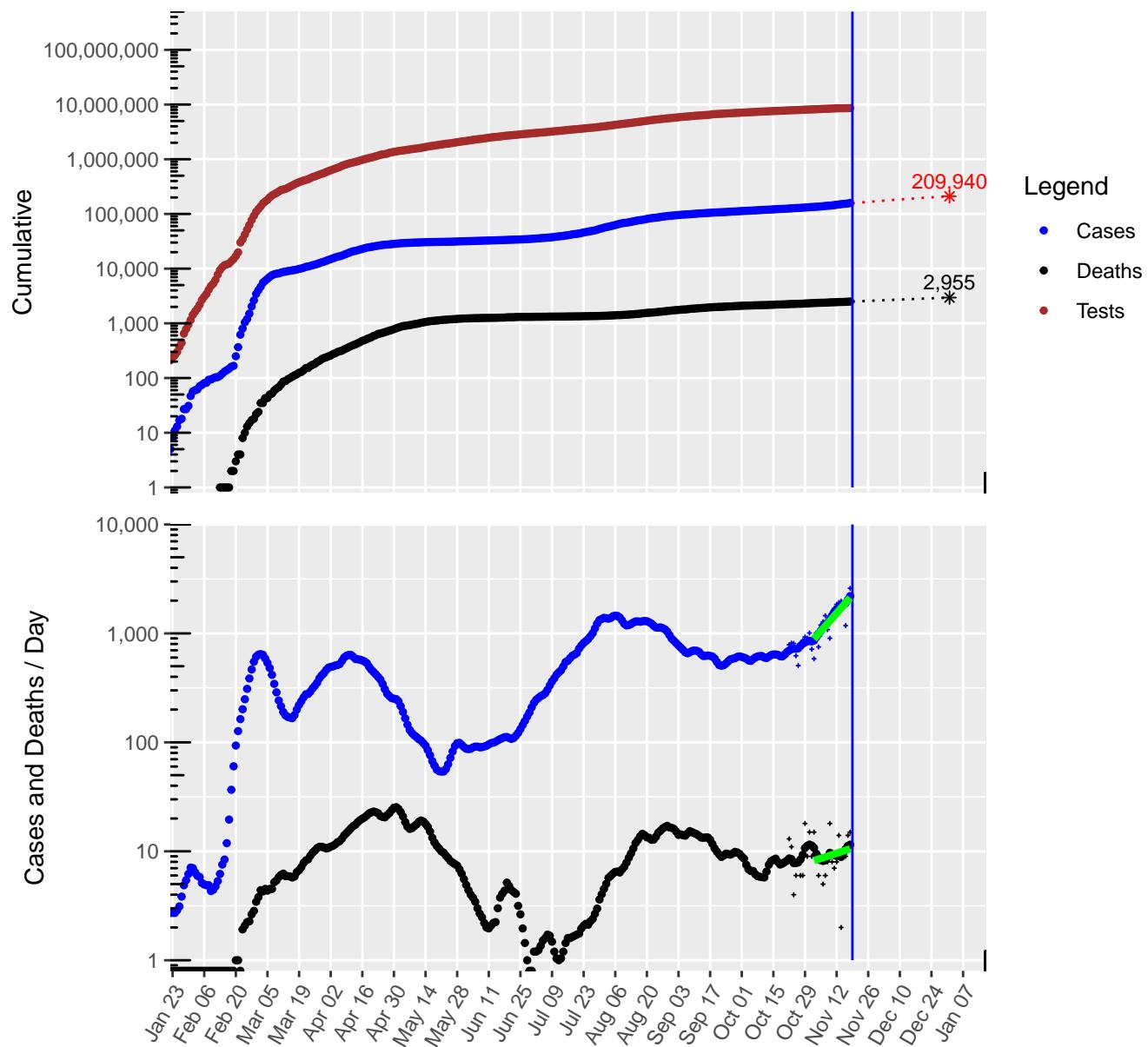
Log plot of 7 day average



Germany, Italy, Luxembourg, Netherlands, Portugal, Spain, and the UK (Population = 355MM)

Non-authoritarian Asian ensemble projection as of 2020-11-19

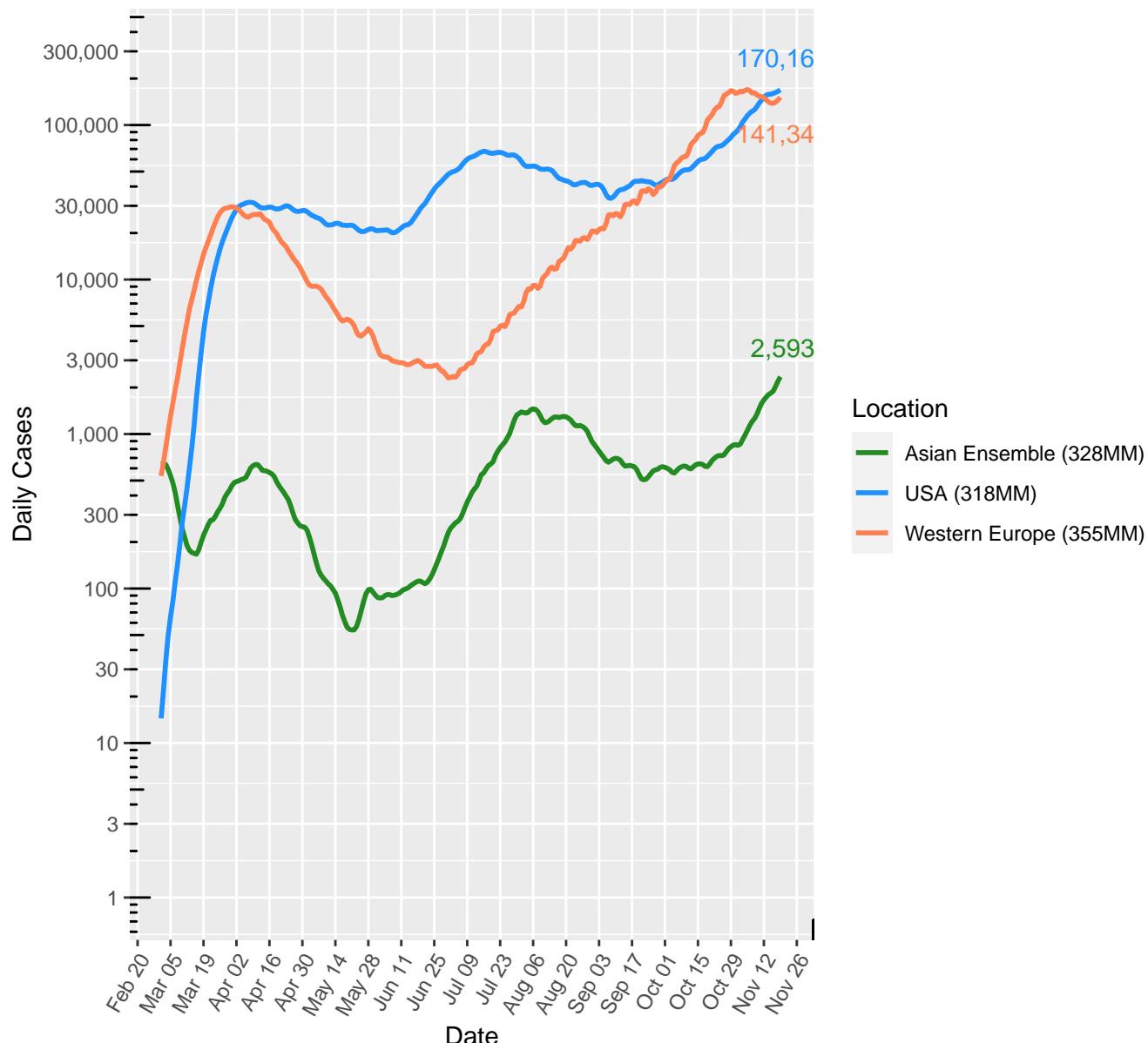
Japan, South Korea, Thailand, and Vietnam (Population = 328 MM)



Deaths: 2,501 (15) — Case Mortality: 1.6% — Daily Change: +5.5% Cases, +1.7% Deaths (over 16 days)

COVID-19 Cases in the USA, Western Europe, and the Asian Ensemble

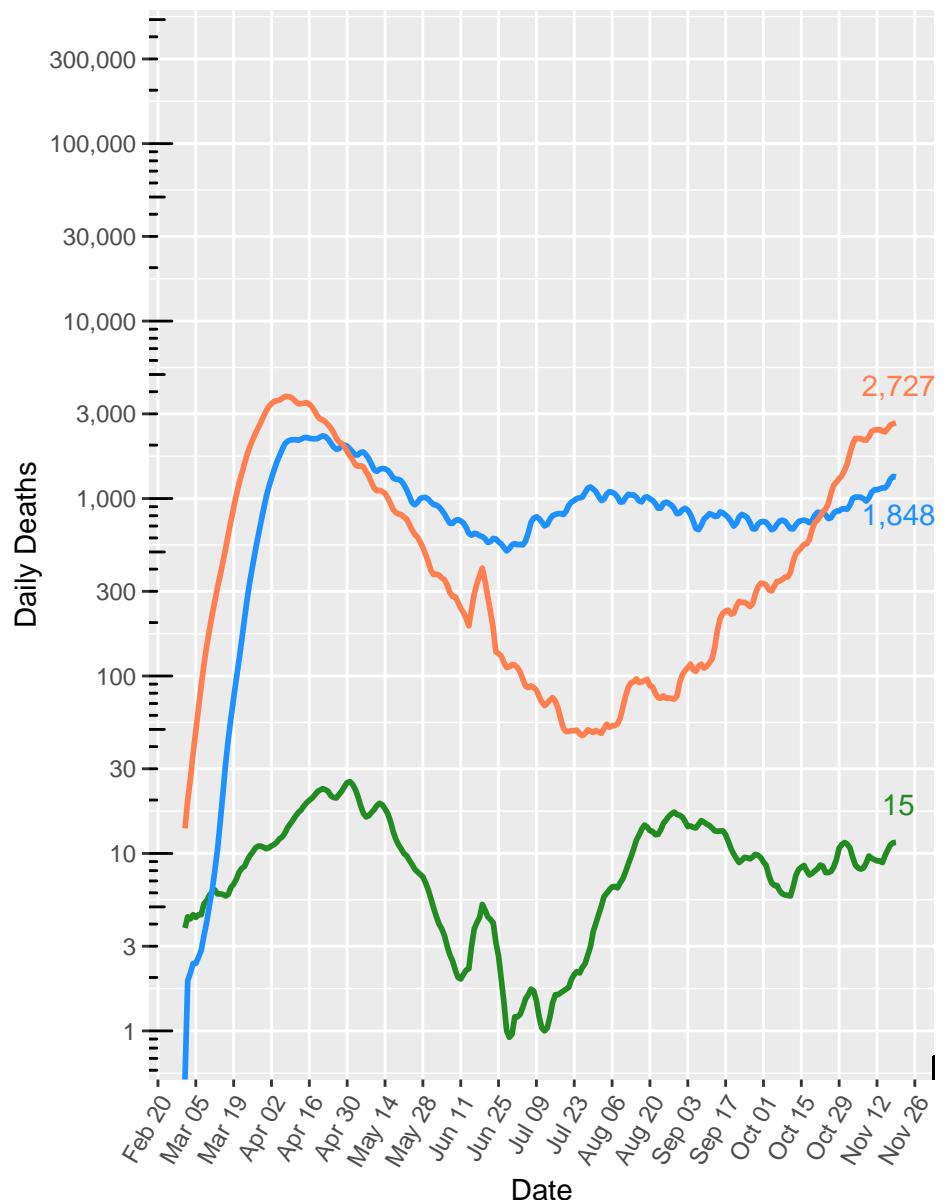
Log plot of 7 day average



Asian Ensemble: Japan, South Korea, Thailand, and Vietnam (Population = 328 MM)

COVID-19 Deaths among the USA, Western Europe, and the Asian Ensemble

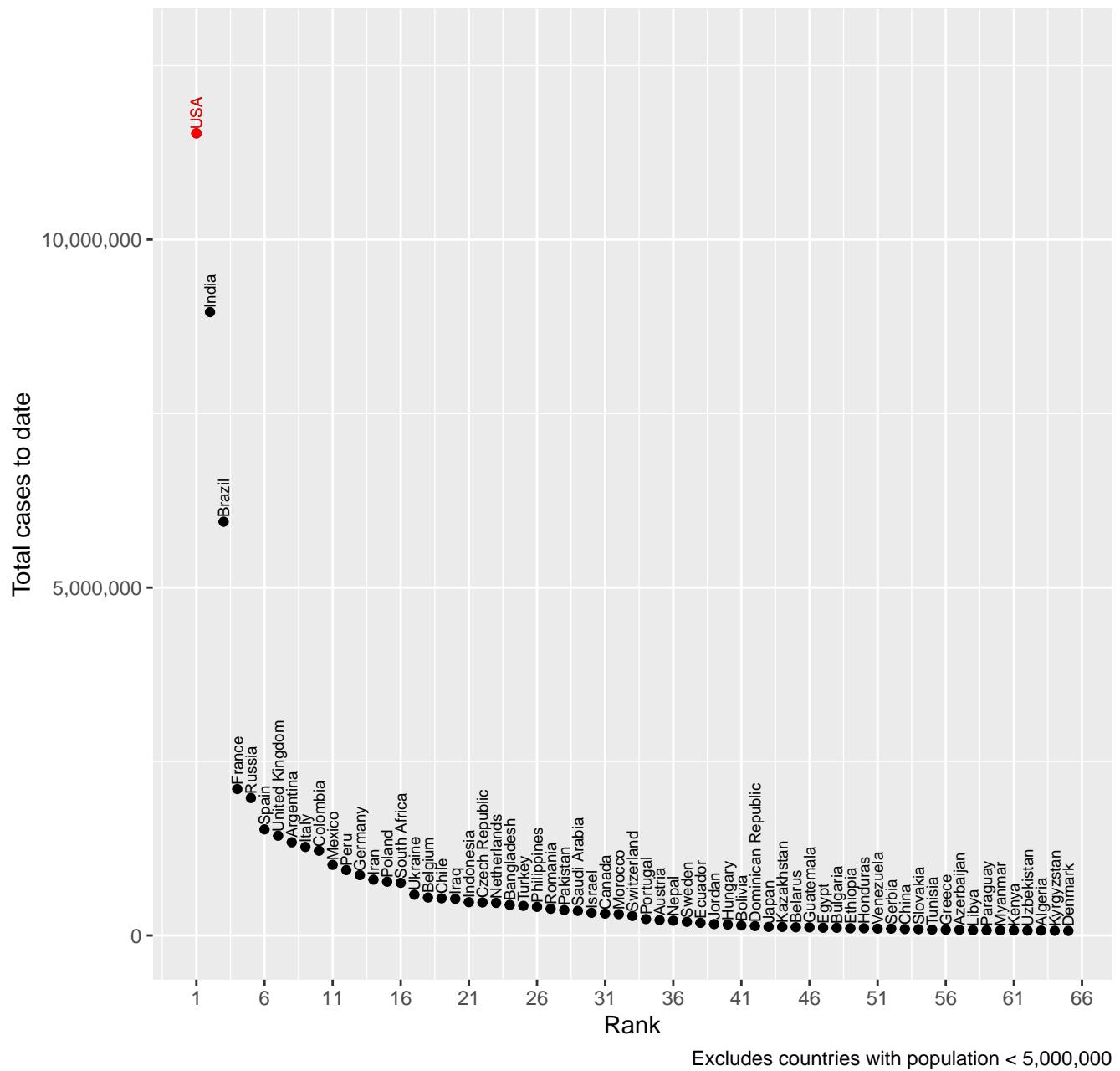
Log plot of 7 day average



Location

- Asian Ensemble (328MM) (Green line)
- USA (318MM) (Blue line)
- Western Europe (355MM) (Orange line)

Worldwide cases



Worldwide cases

Total cases to date

1 in 20

1 in 25

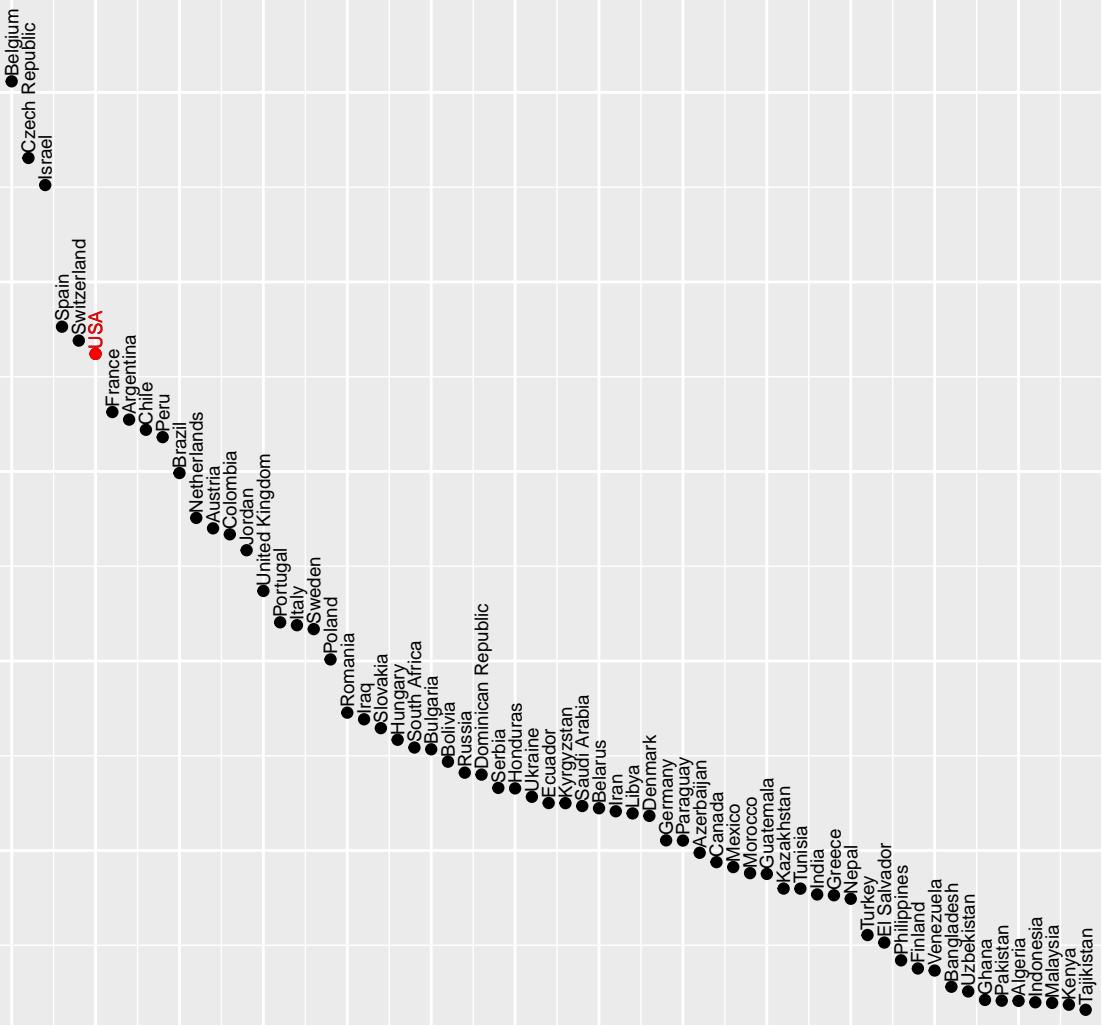
1 in 33

1 in 50

1 in 100

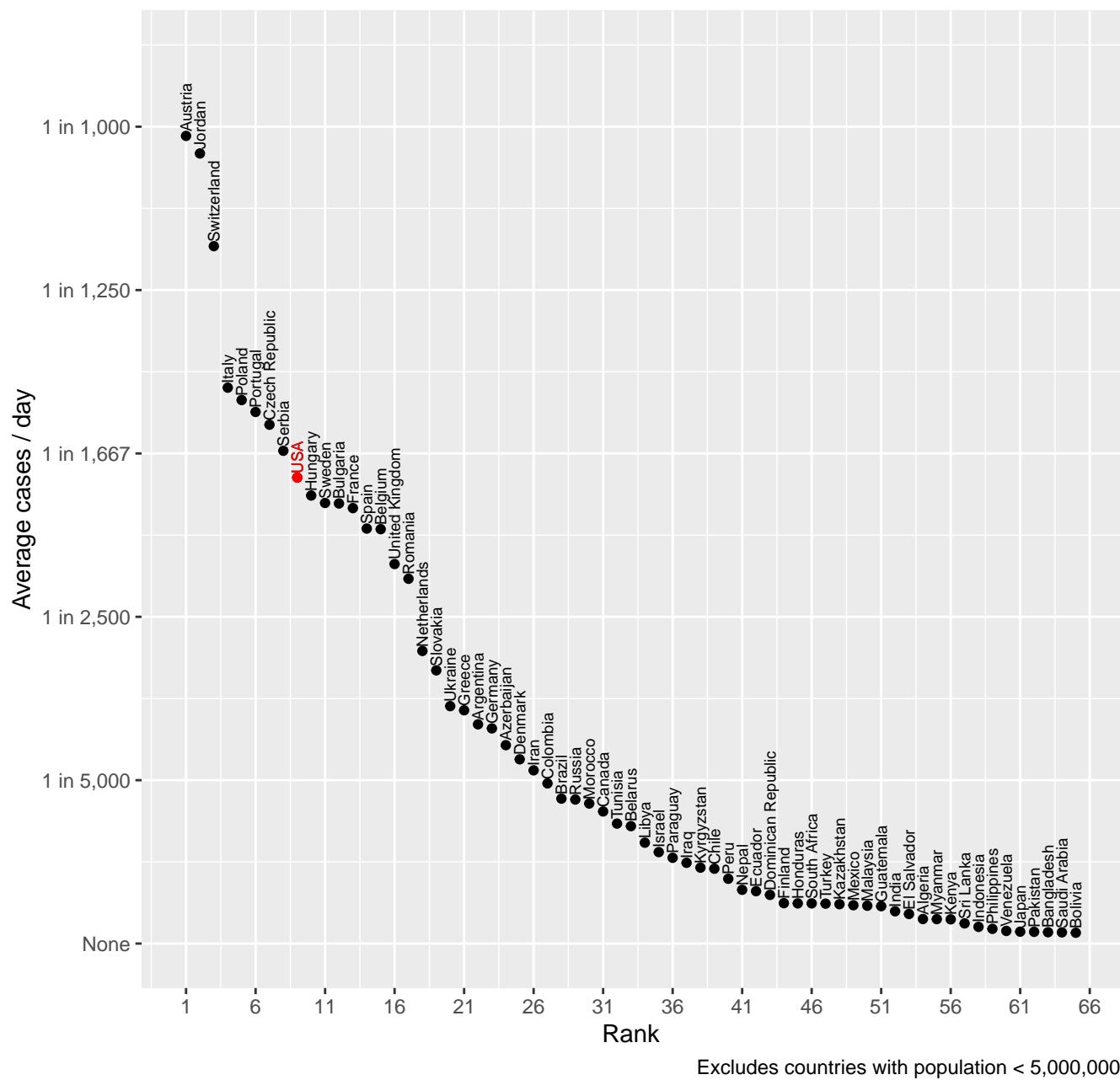
None

Rank



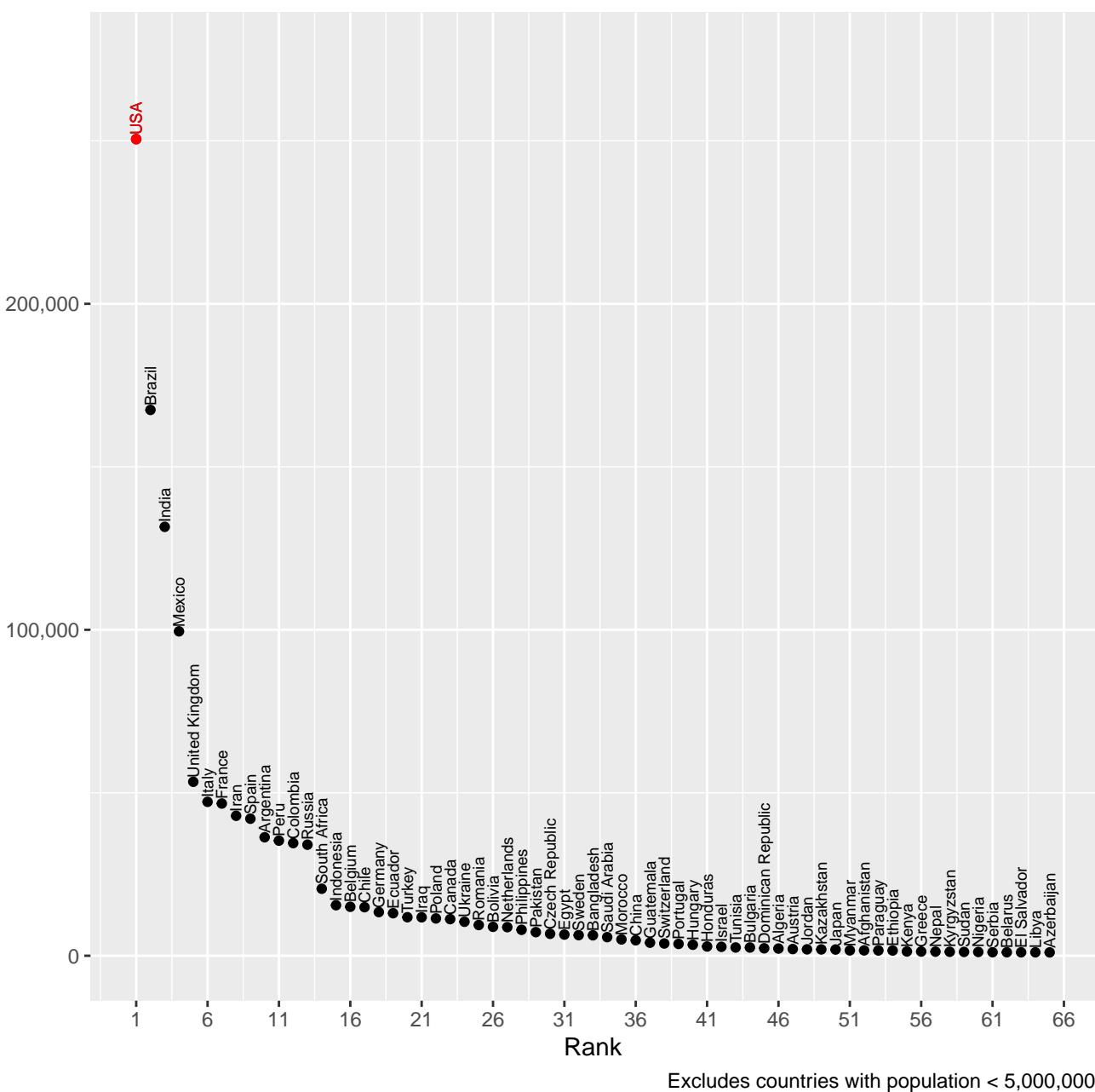
Excludes countries with population < 5,000,000

Average new cases over past 7 days



Worldwide deaths

Total deaths to date



Excludes countries with population < 5,000,000

Worldwide deaths

Total deaths to date

1 in 714 -

1 in 833 -

1 in 1,000 -

1 in 1,250 -

1 in 1,667 -

1 in 2,500 -

1 in 5,000 -

None -

1

6

11

16

21

26

31

36

41

46

51

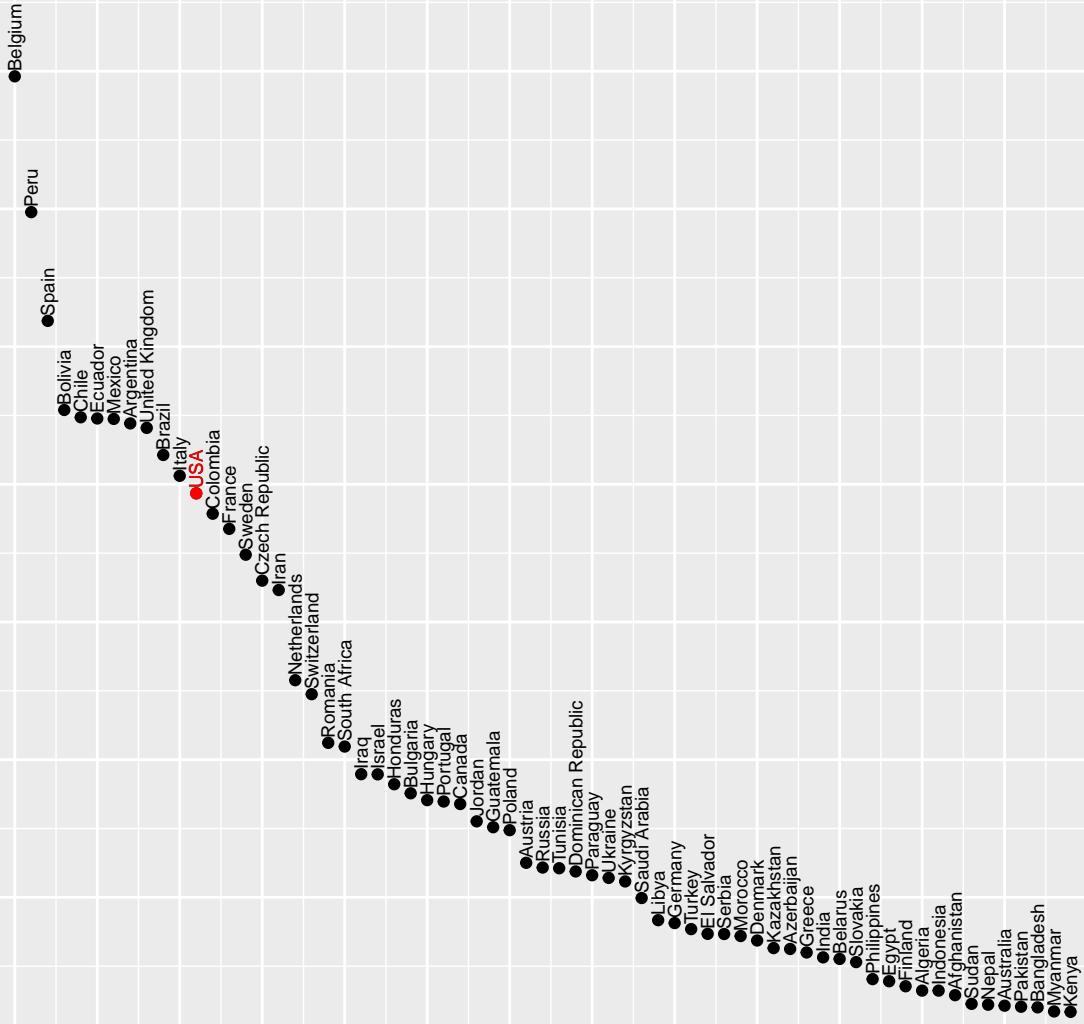
56

61

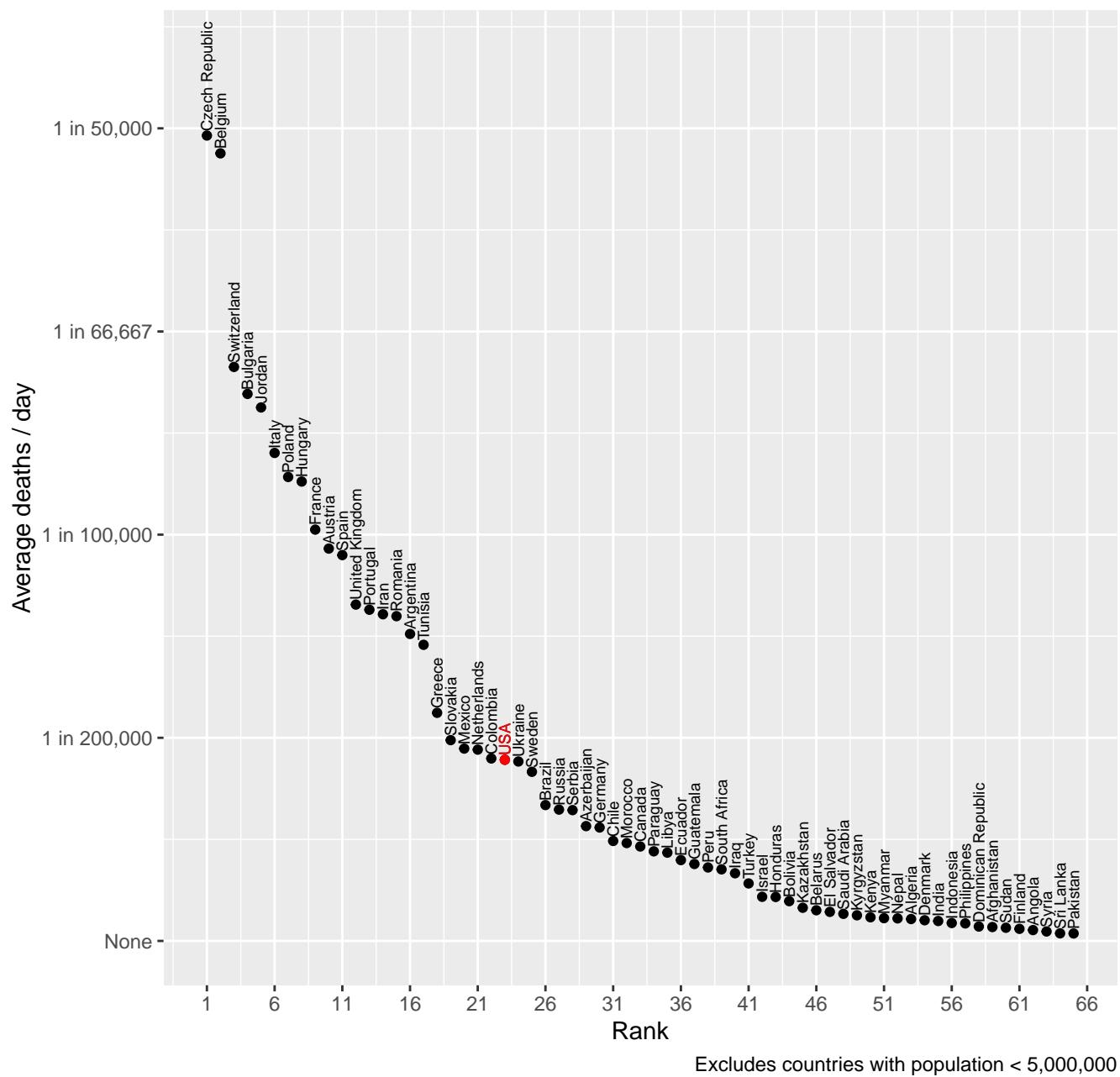
66

Rank

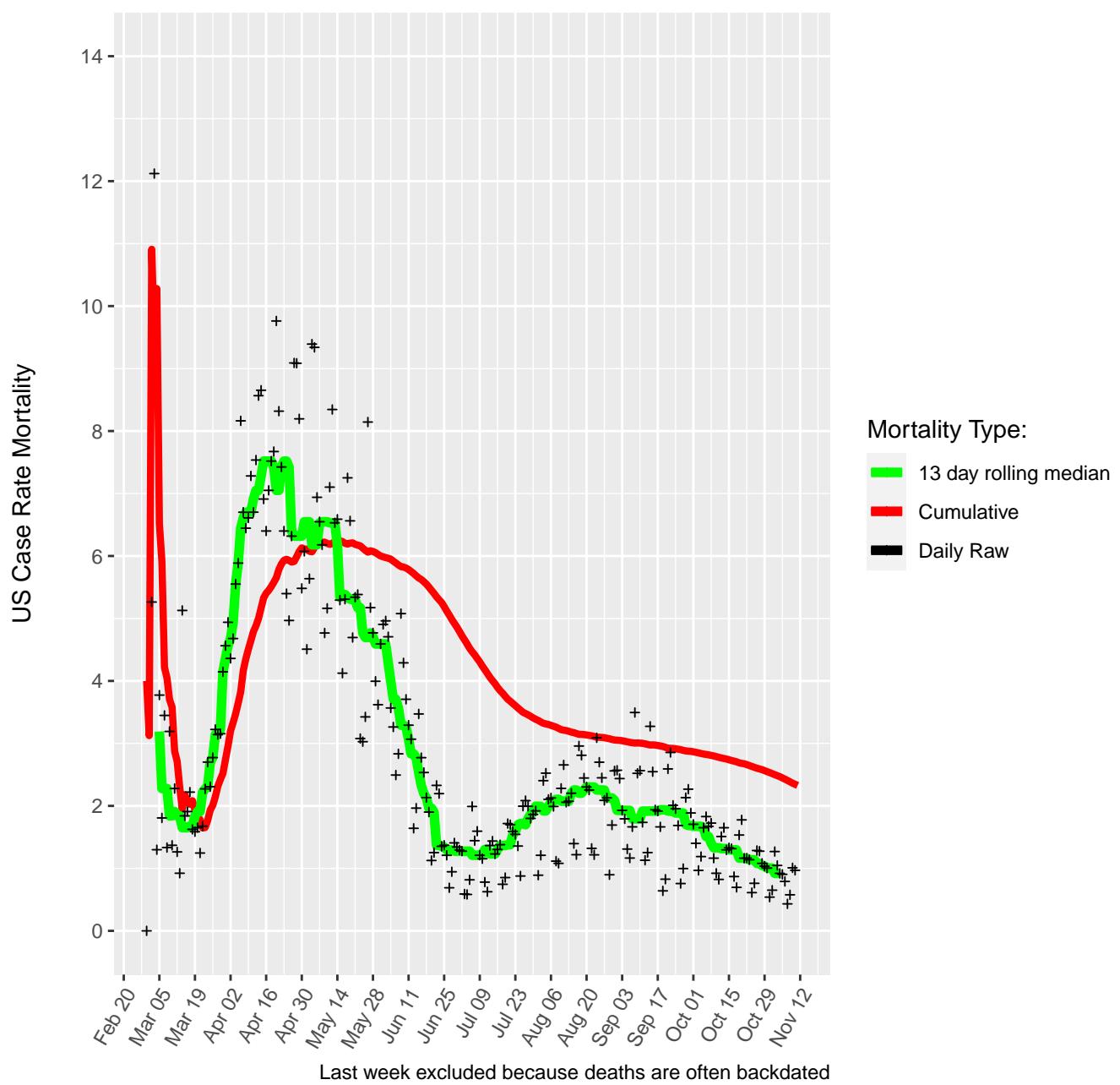
Excludes countries with population < 5,000,000



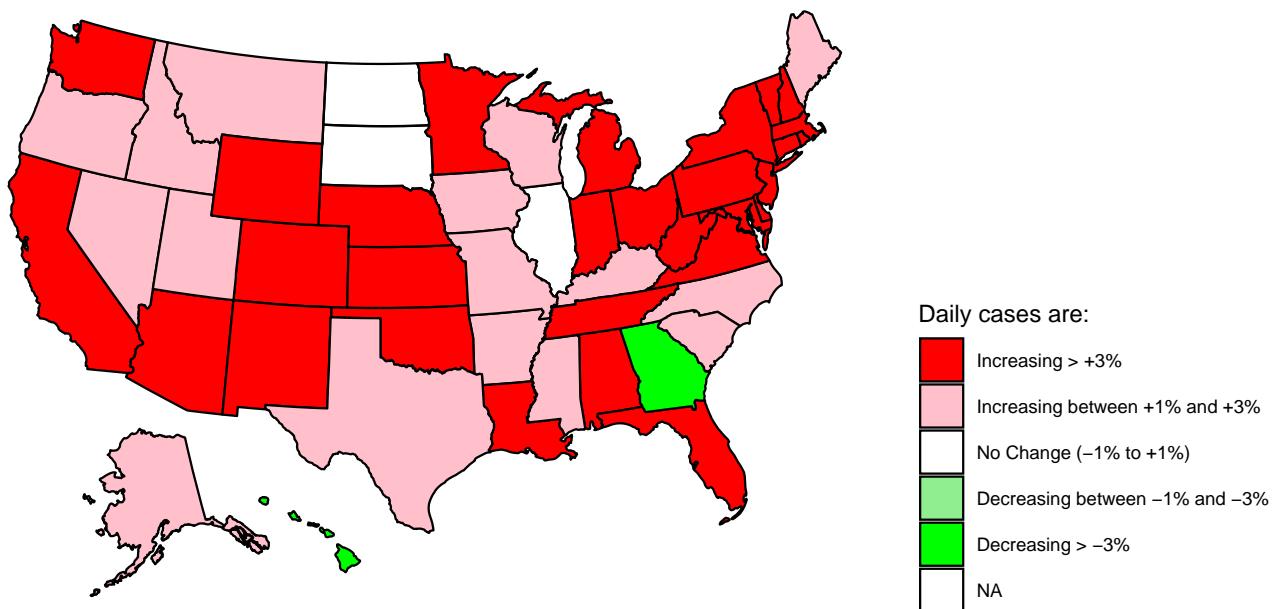
Average daily deaths over past 7 days



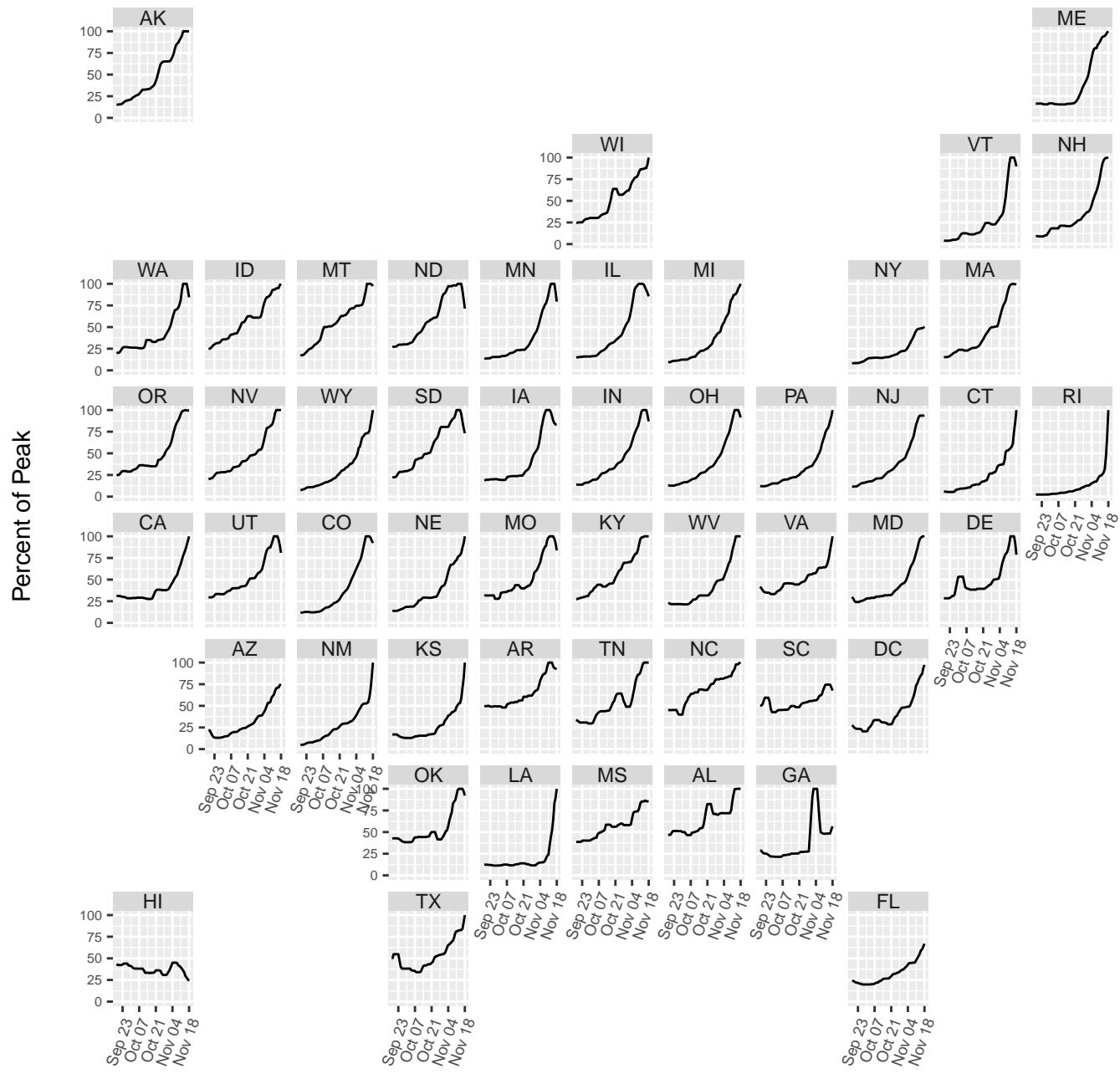
Daily vs. Cumulative US Case Rate Mortality



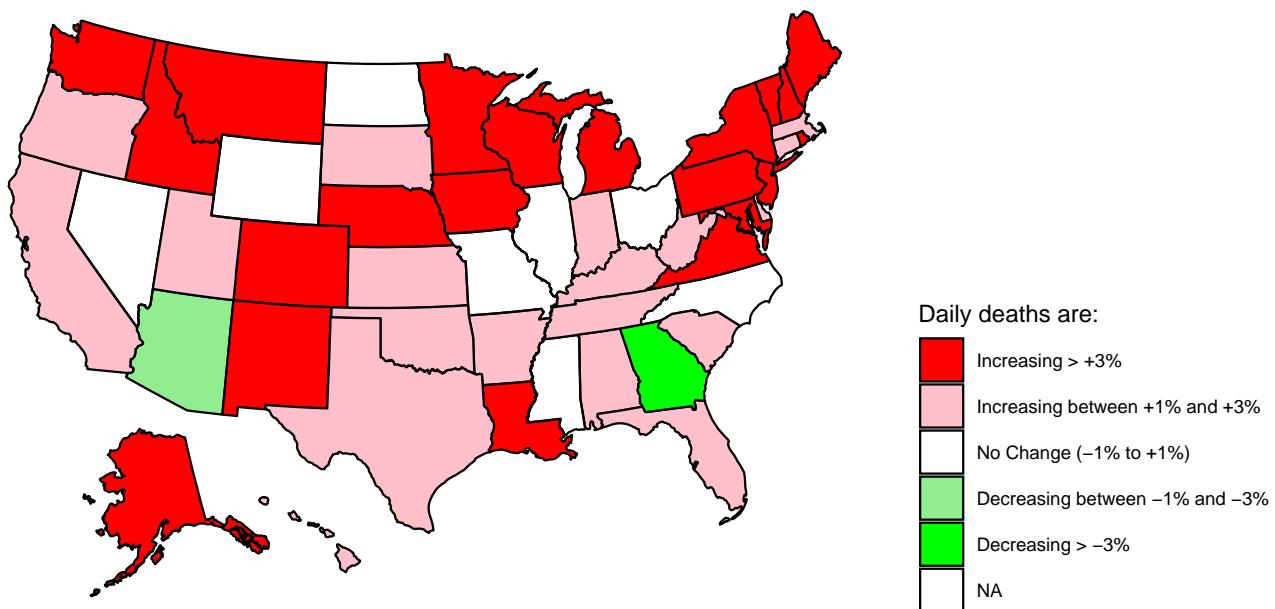
Change in daily cases over 16 days as of 2020-11-19



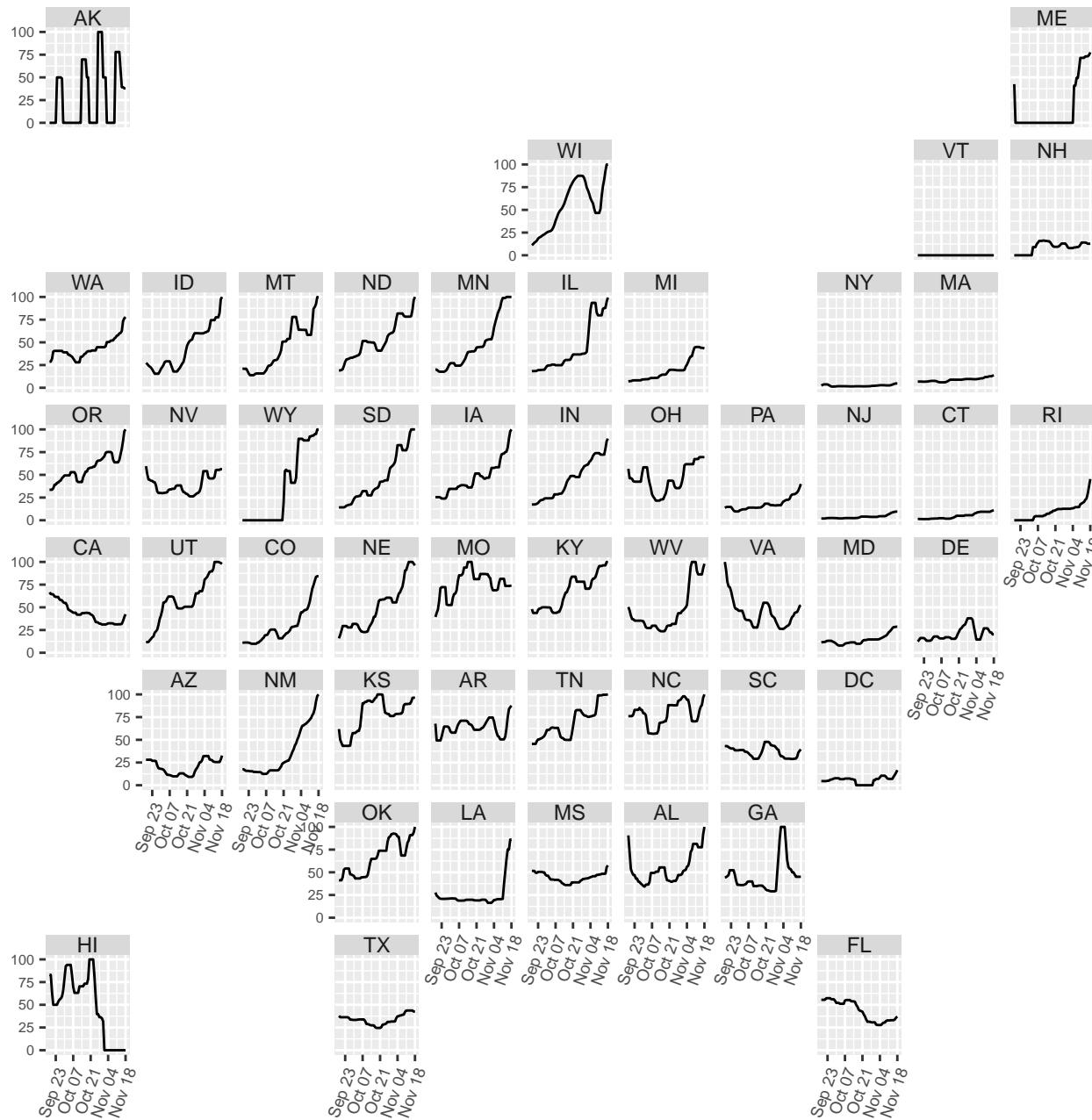
Daily Cases as a Percent of Peak Cases



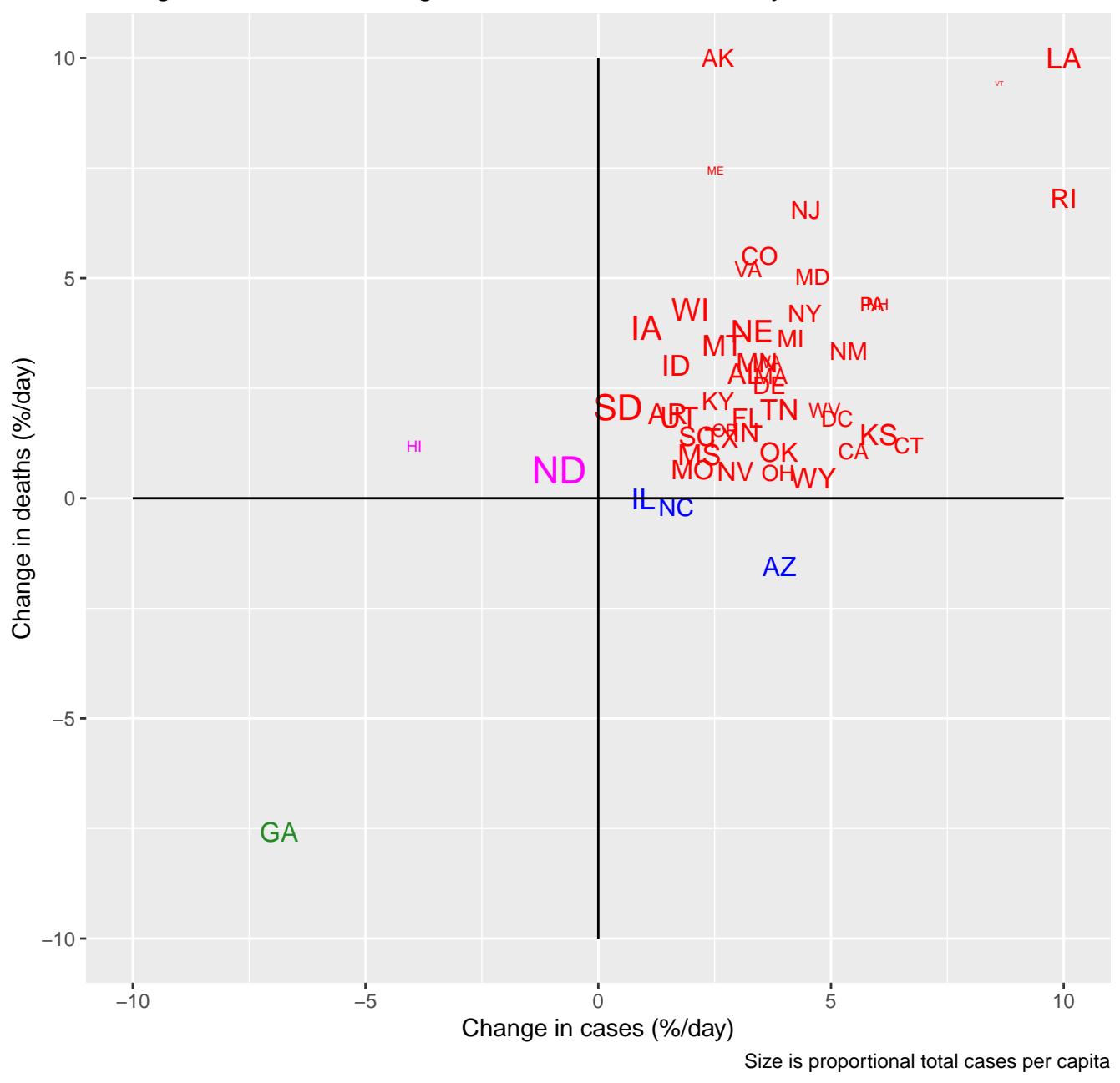
Change in daily deaths over 16 days as of 2020-11-19



Daily Deaths as a Percent of Peak Deaths



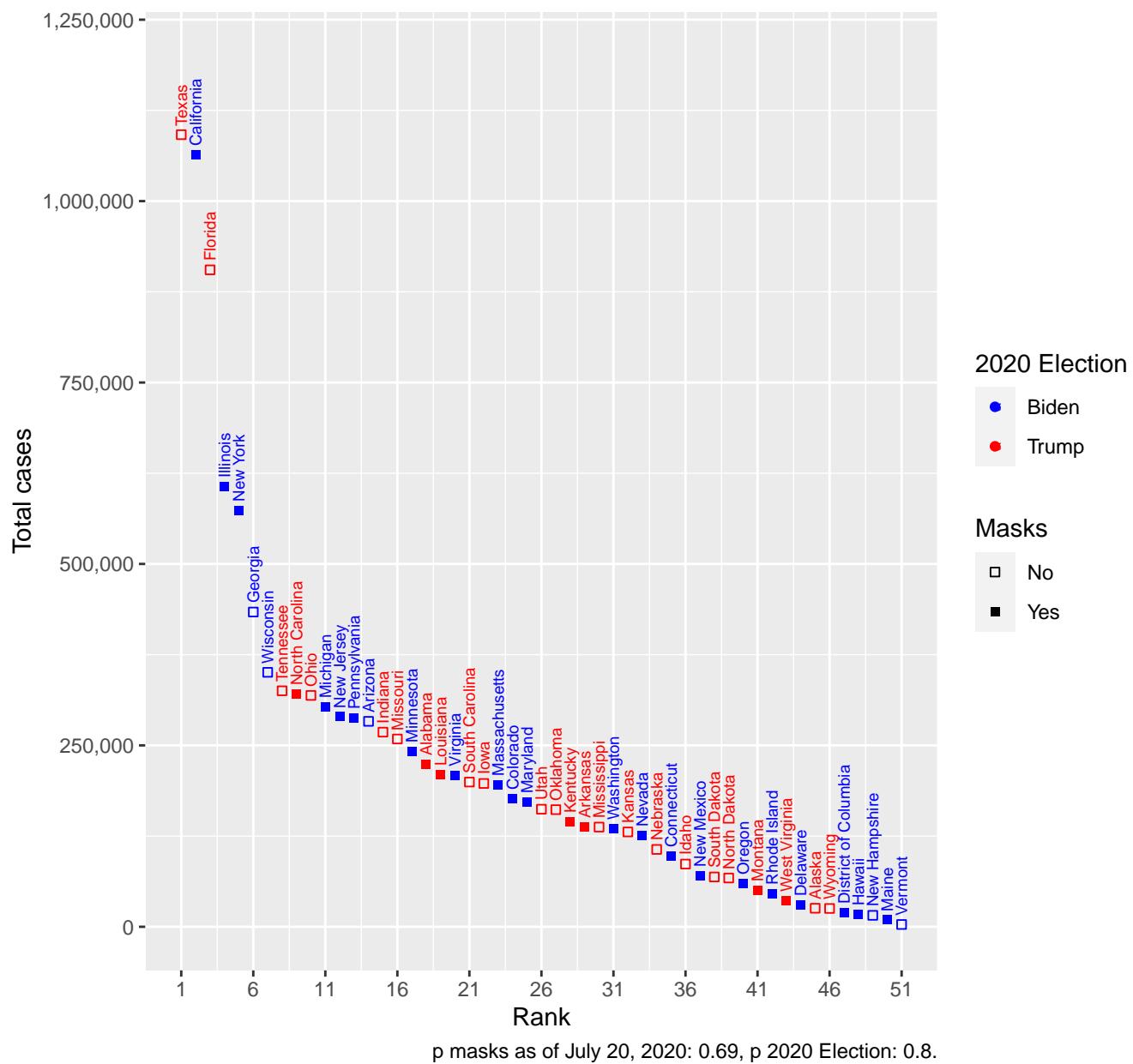
Change in cases vs. change in deaths over last 16 days as of 2020-11-19



Size is proportional total cases per capita

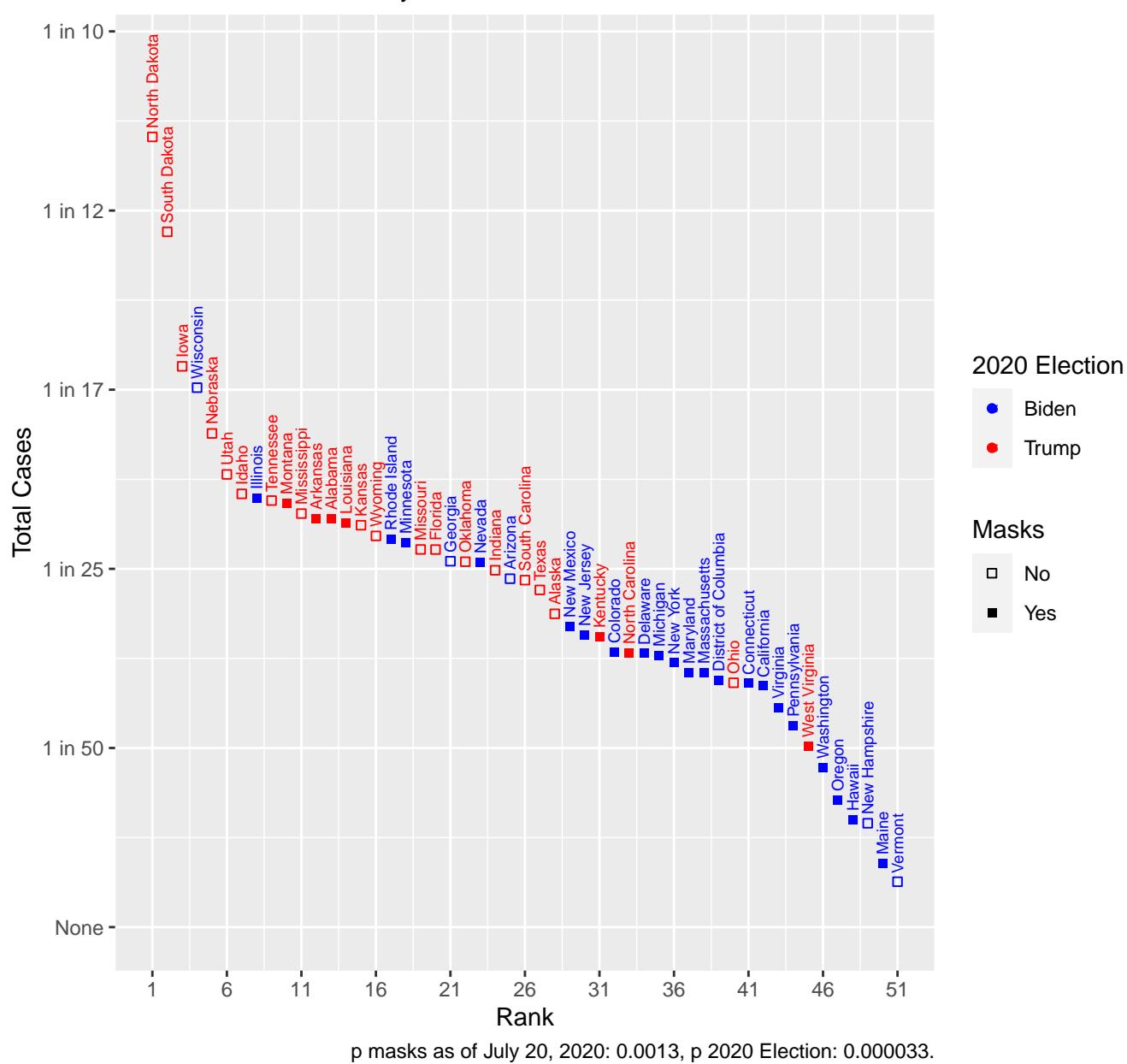
Total US COVID-19 Cases

Mask mandate is from July 20th. Political lean is based on election results.



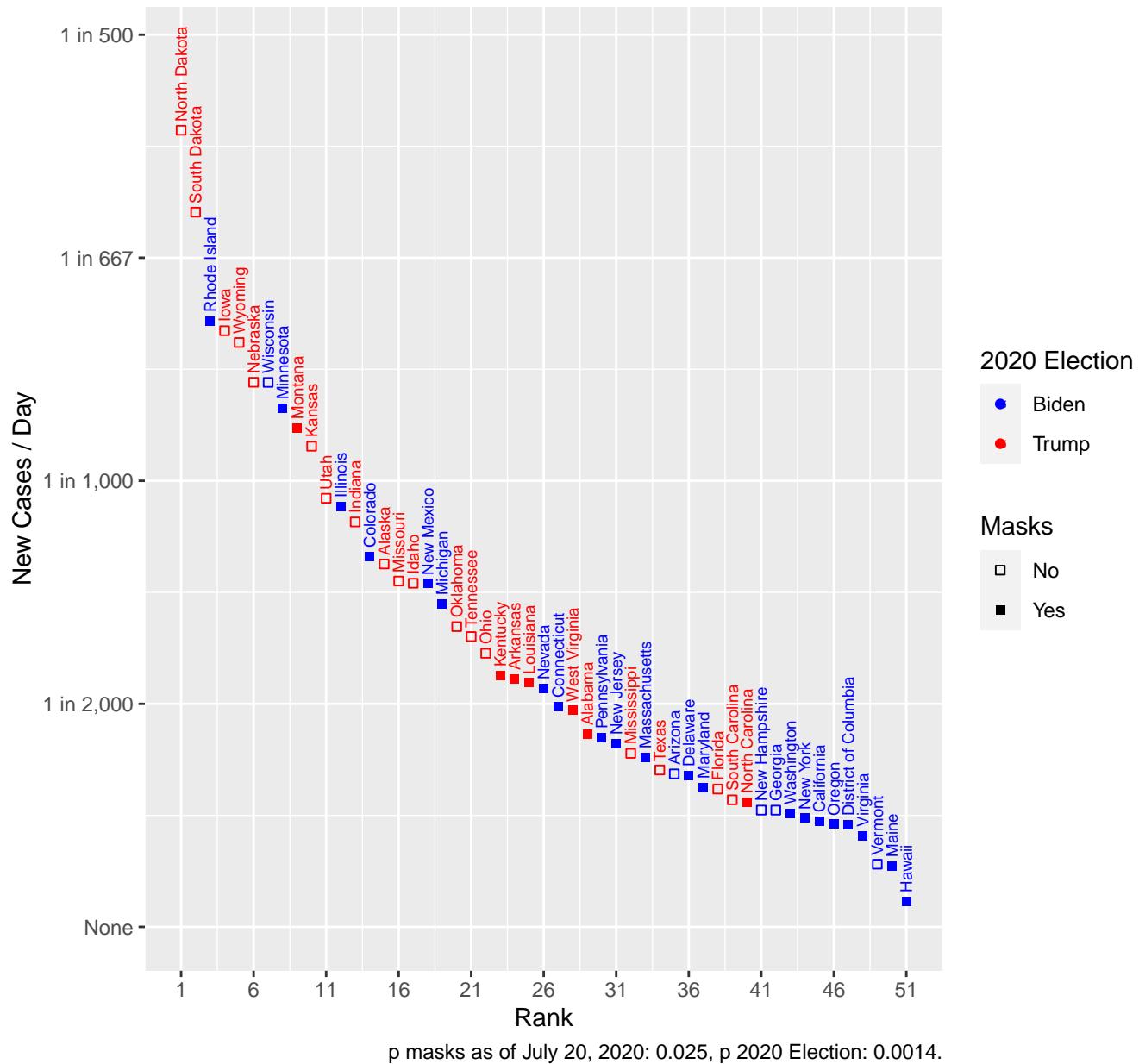
Total US COVID-19 Cases

Mask mandate is from July 20th. Political lean is based on election results.



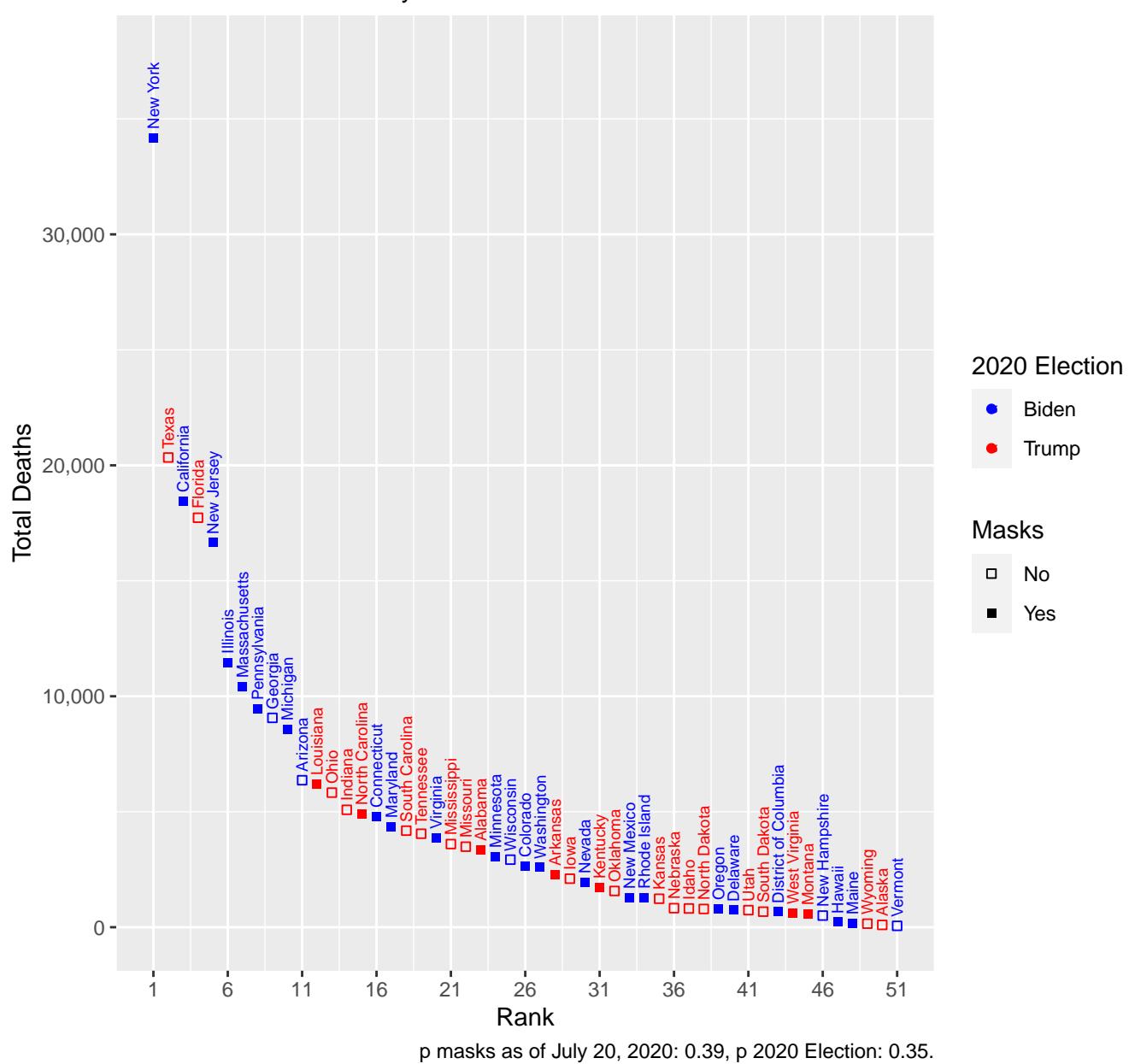
Average US COVID-19 cases over the past 7 days

Mask mandate is from July 20th. Political lean is based on election results.



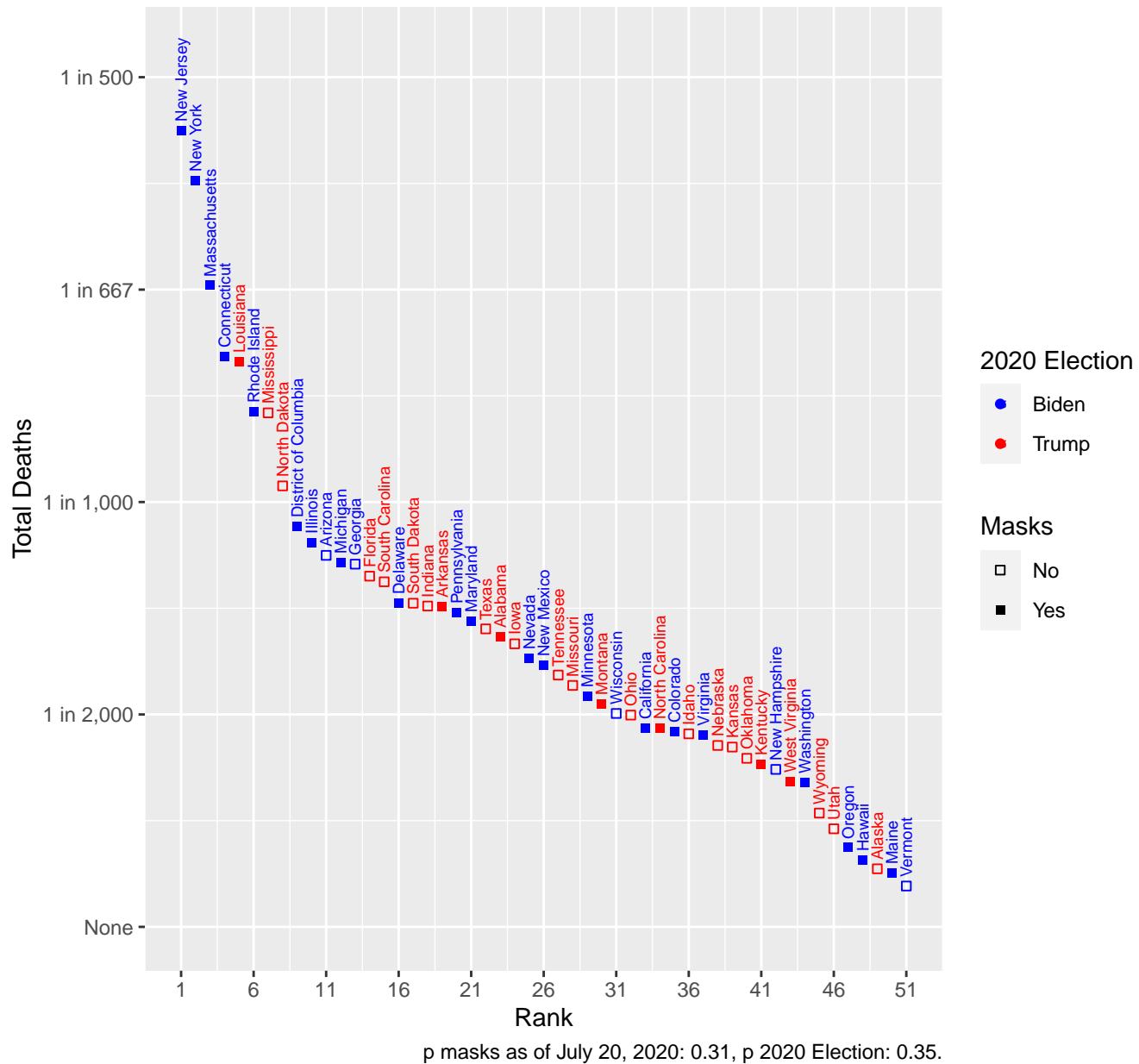
Total US COVID-19 Deaths

Mask mandate is from July 20th. Political lean is based on election results.



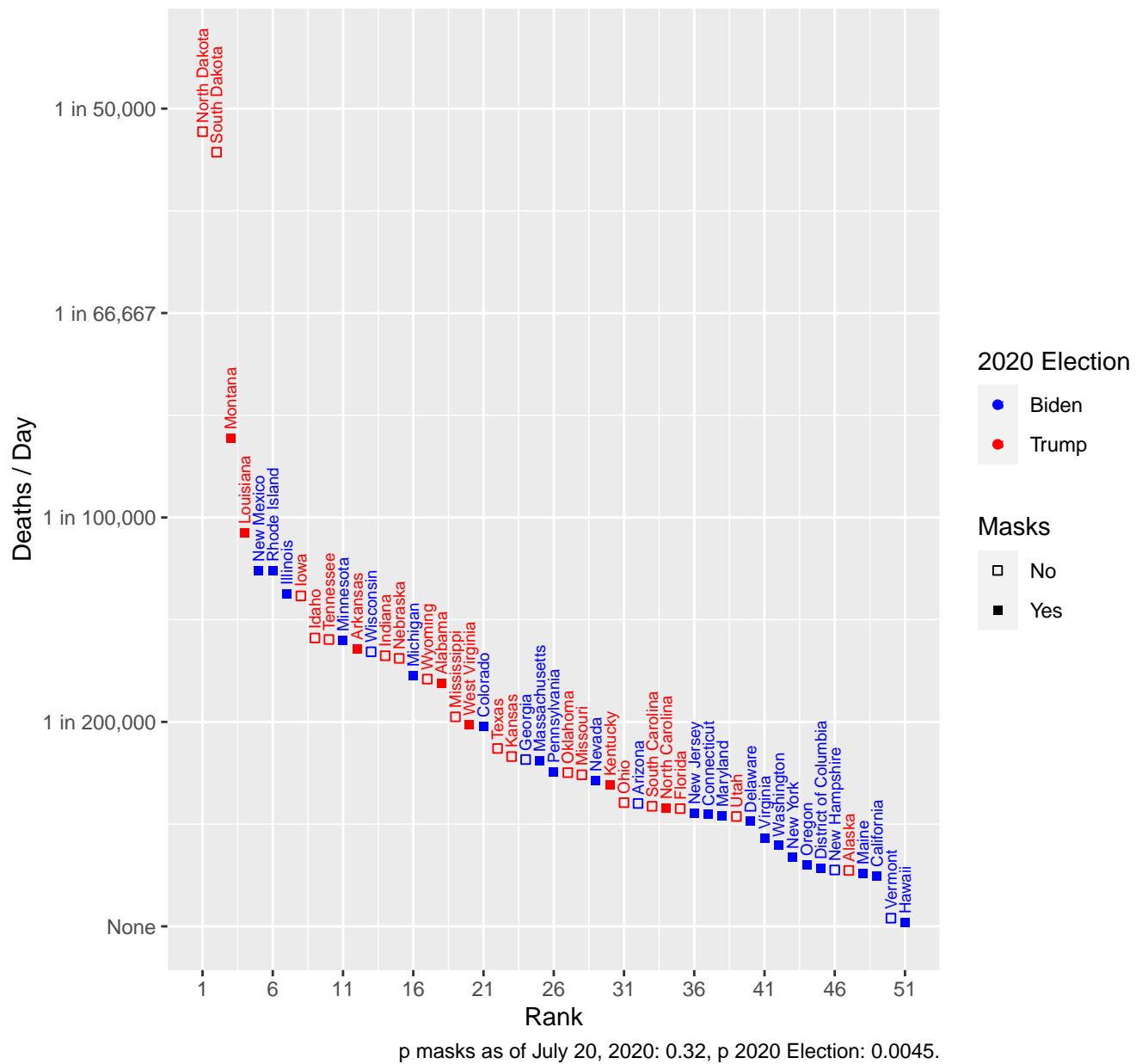
Total US COVID-19 Deaths

Mask mandate is from July 20th. Political lean is based on election results.



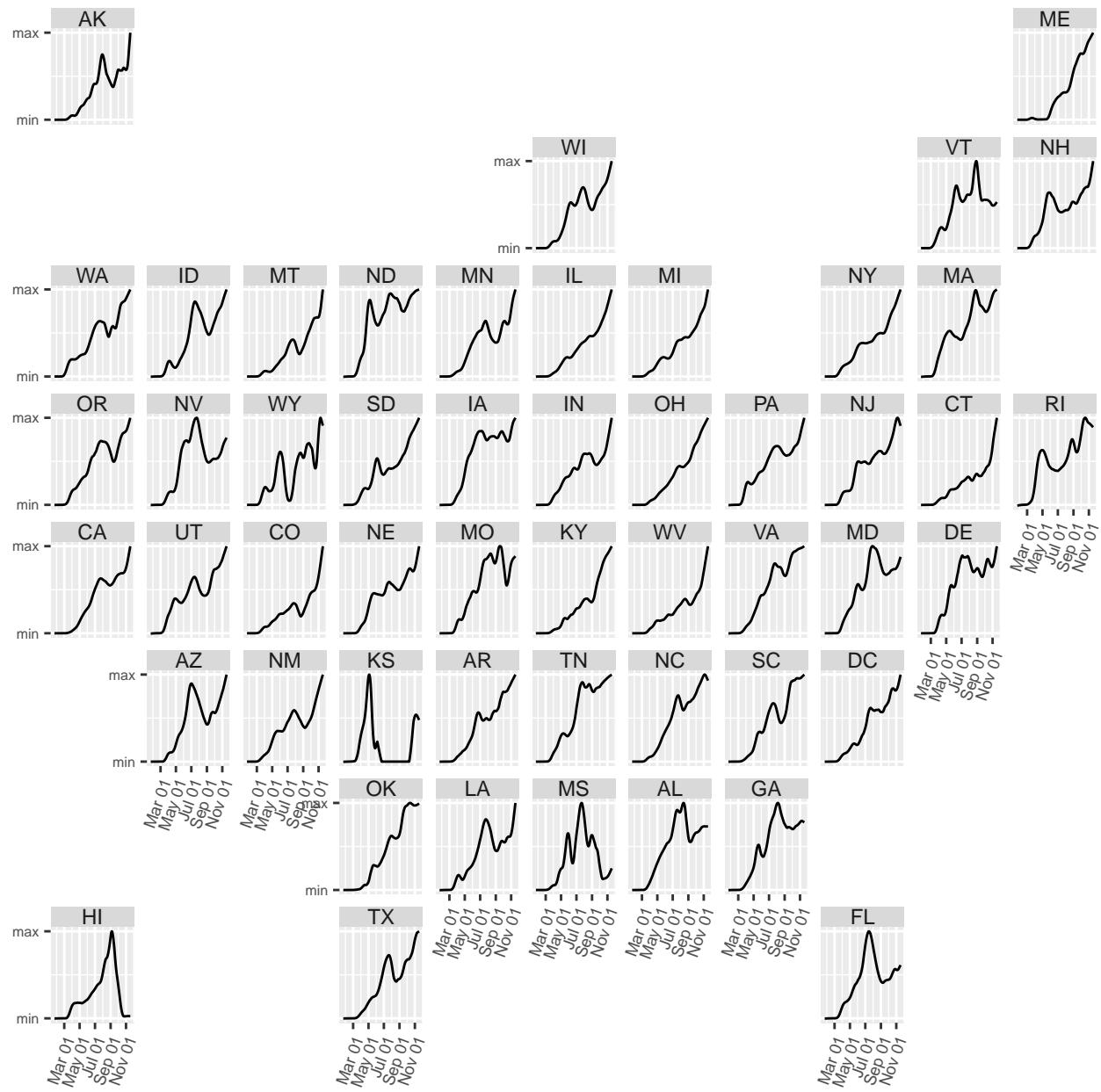
Average US COVID-19 deaths over the past 7 days

Mask mandate is from July 20th. Political lean is based on election results.



Daily testing trends from min to max

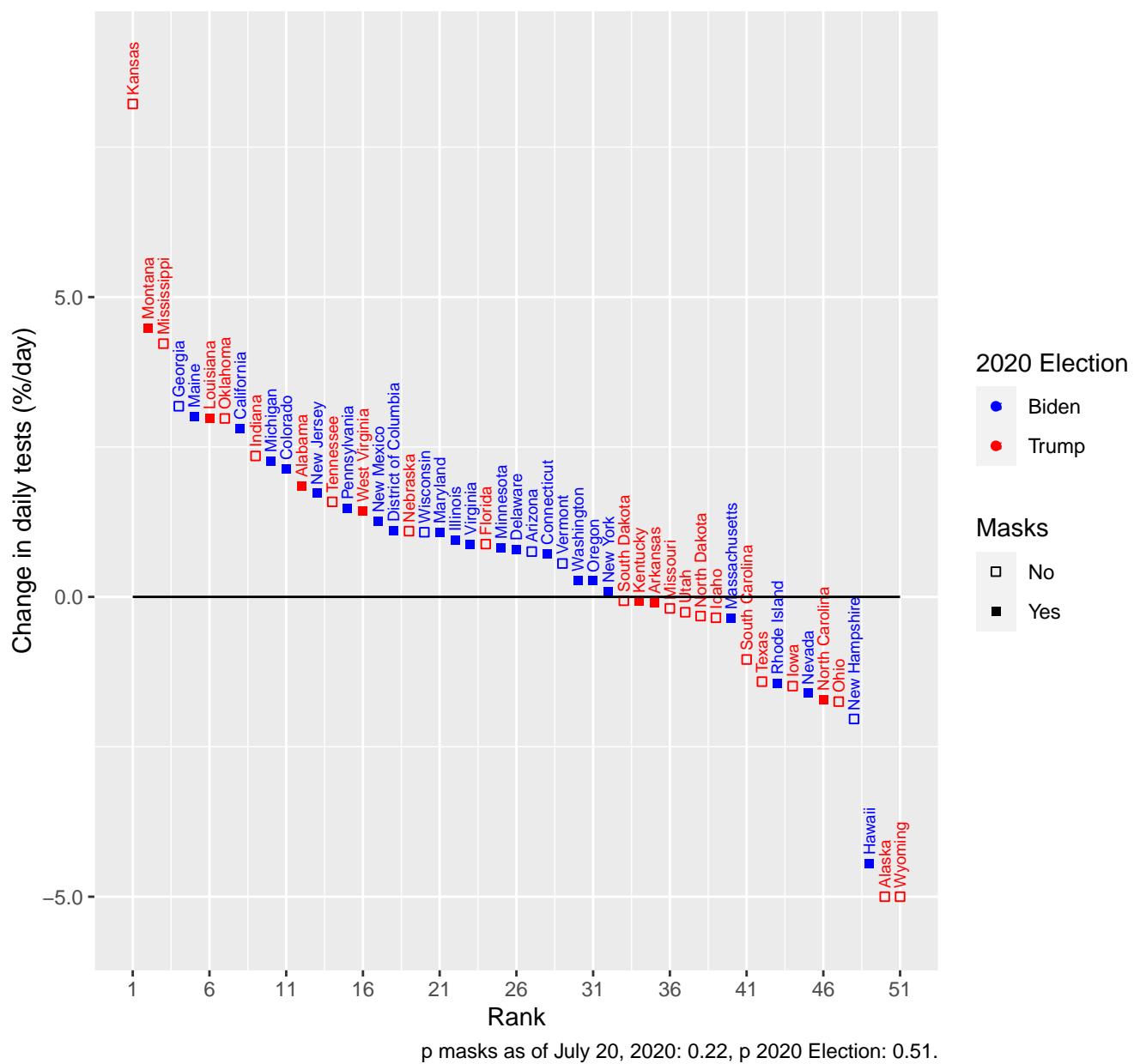
Daily testing from min to max



Line = Friedman's supersmusher

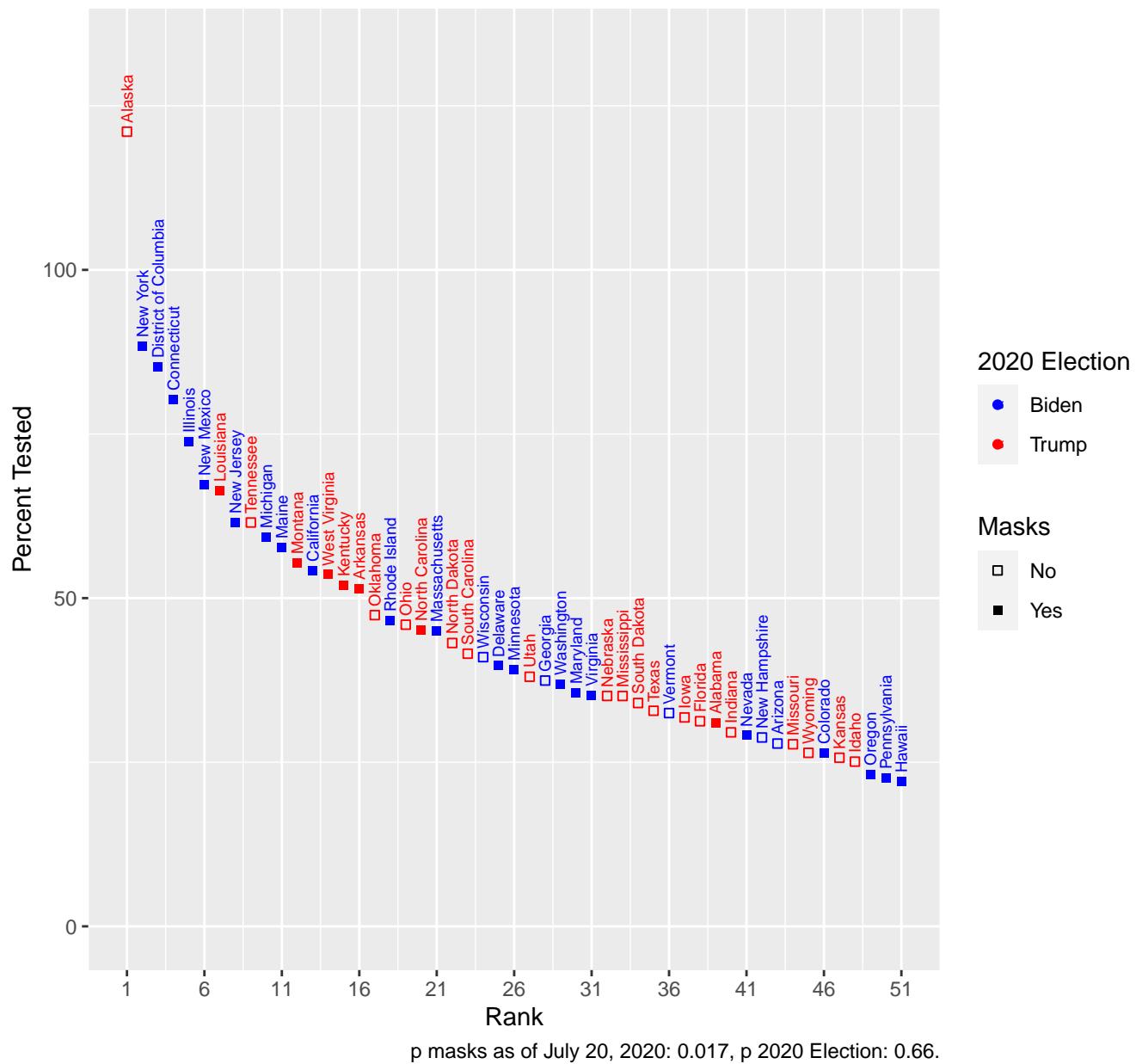
Change in daily tests over past 16 days

Mask mandate is from July 20th. Political lean is based on election results.



Percent Tested

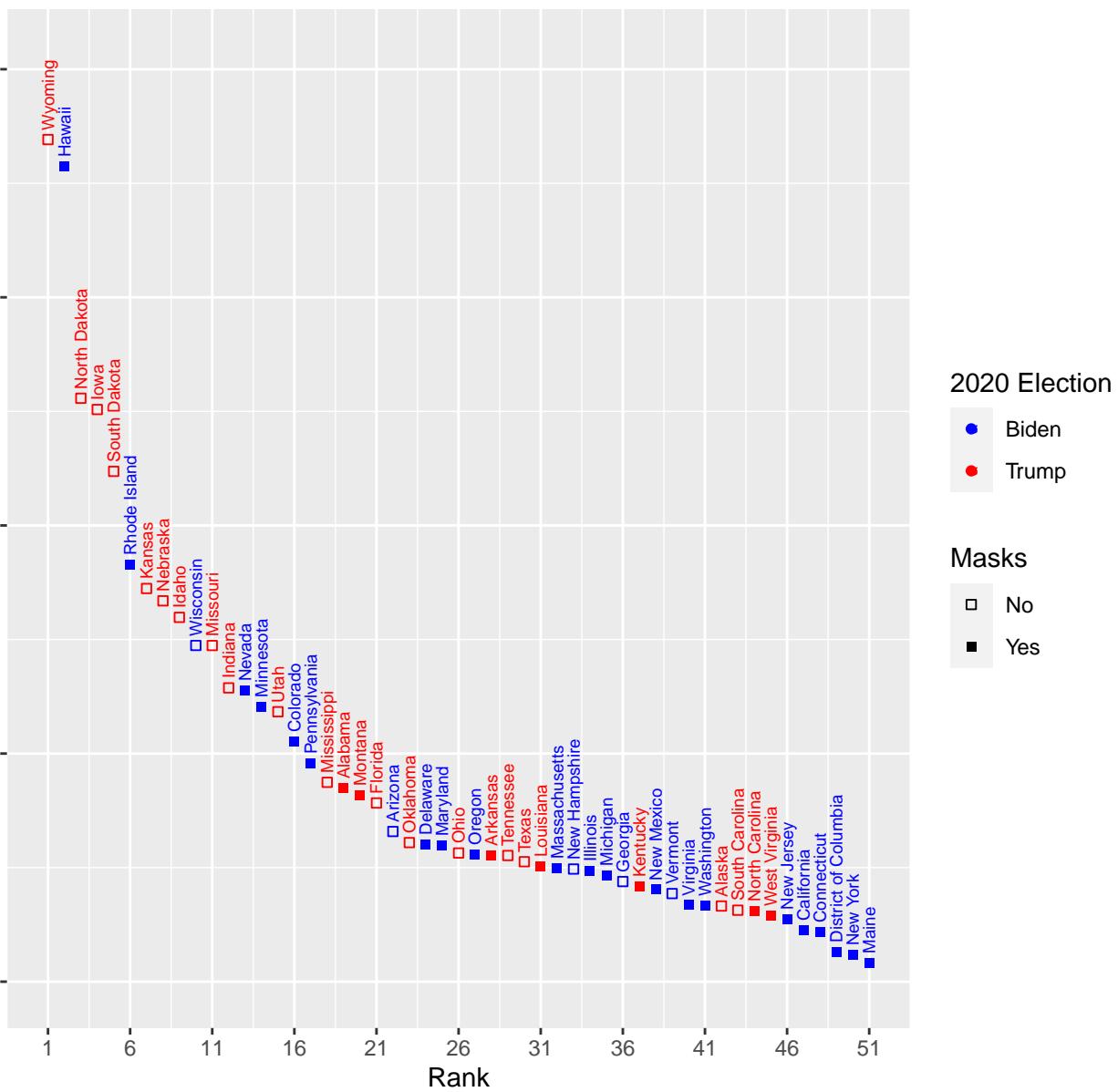
Mask mandate is from July 20th. Political lean is based on election results.



Percent of Positive COVID Tests

Mask mandate is from July 20th. Political lean is based on election results.

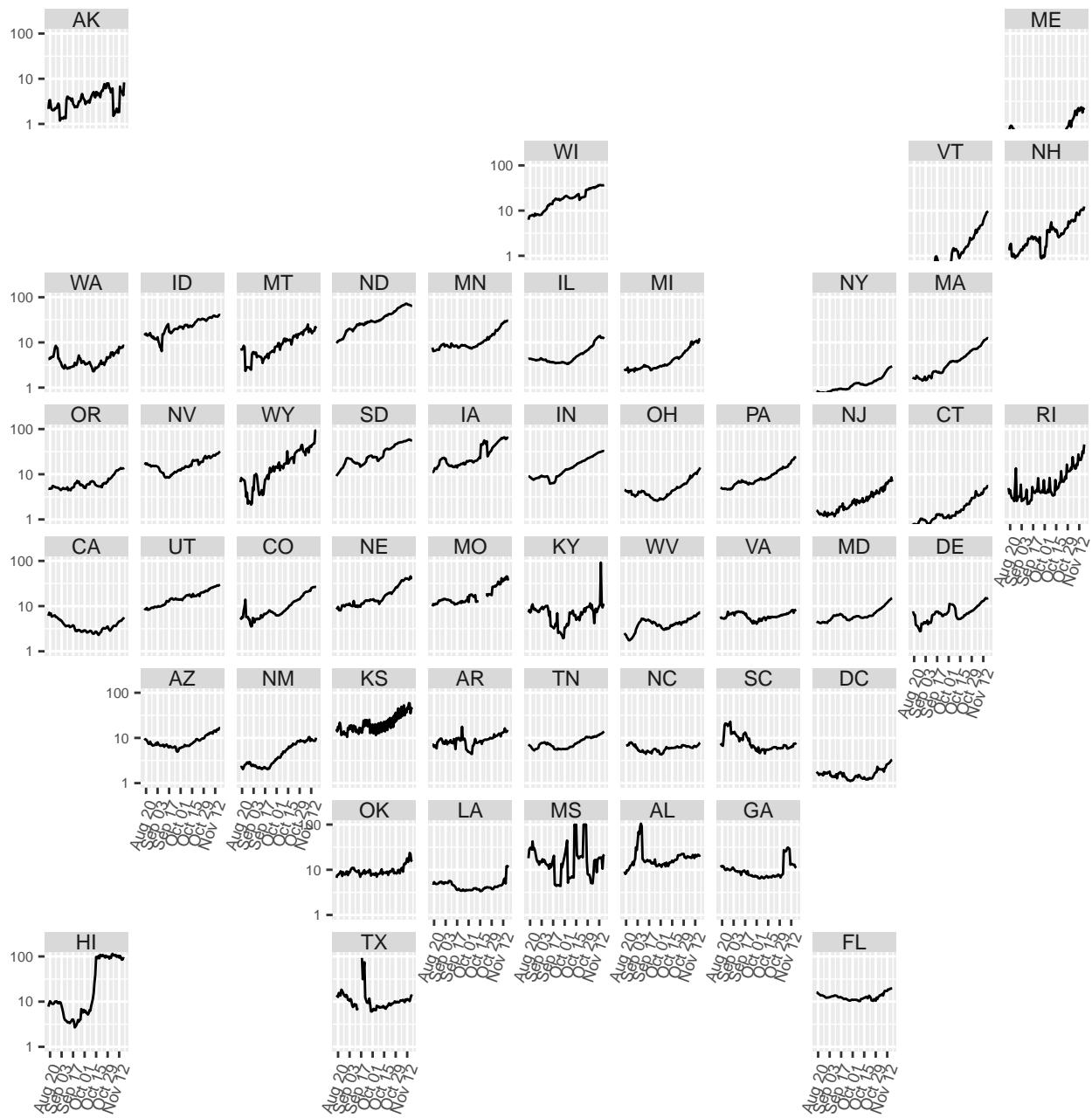
Percent of Positive Tests



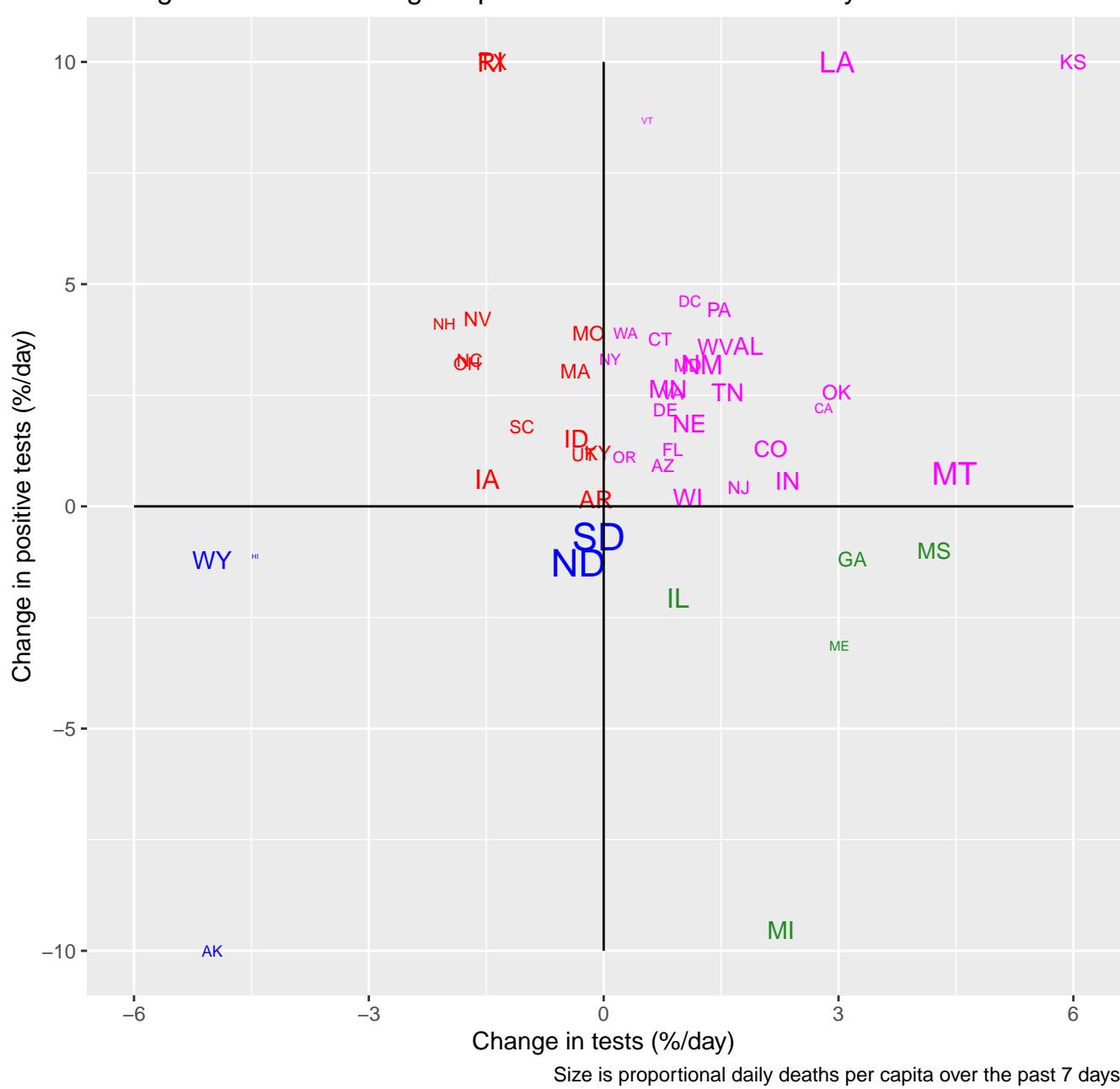
p masks as of July 20, 2020: 0.0038, p 2020 Election: 0.025.

Percent Positive Trends

Percent Positive (log scale)

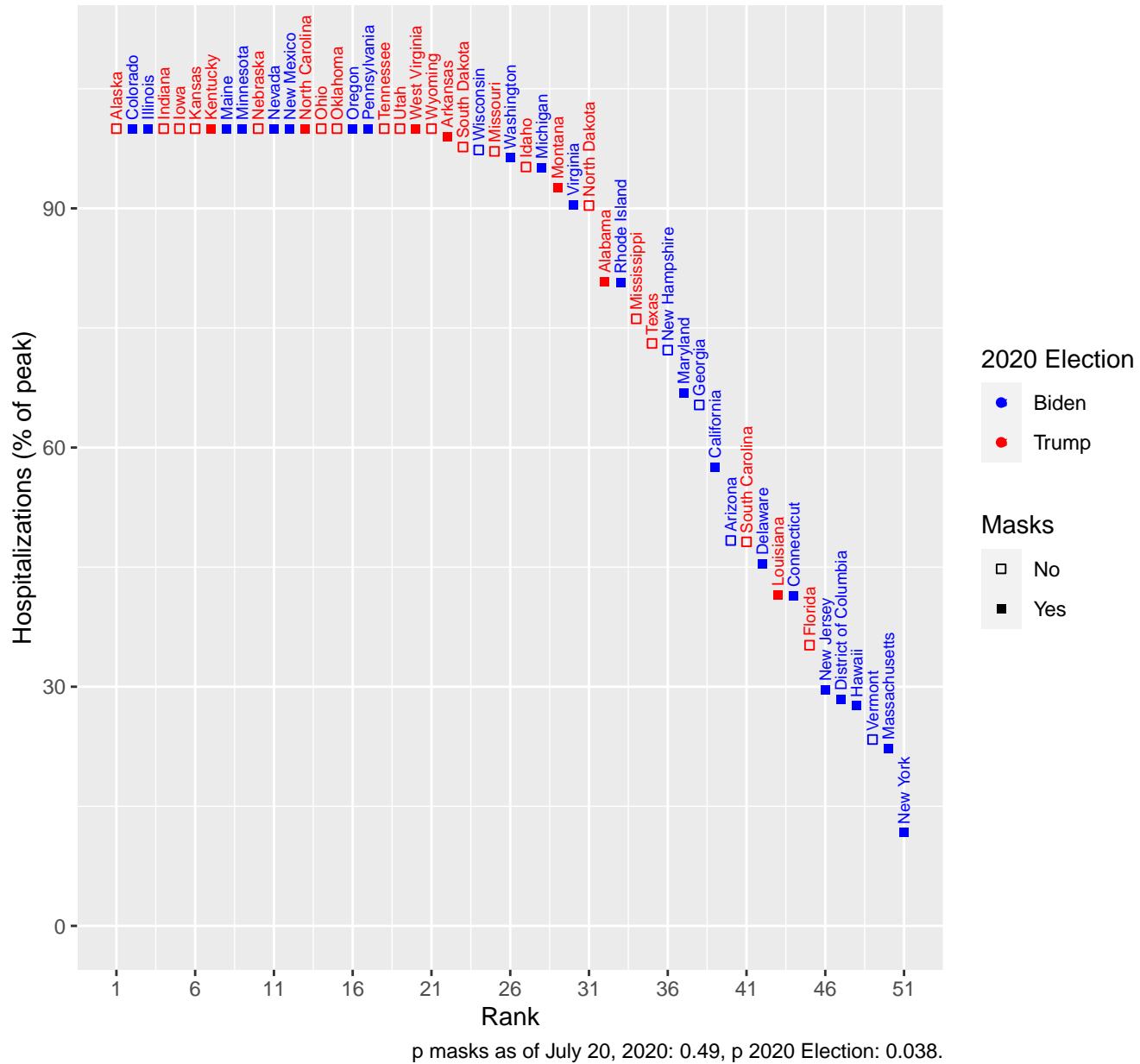


Change in tests vs. change in positive tests over last 14 days as of 2020-11-19



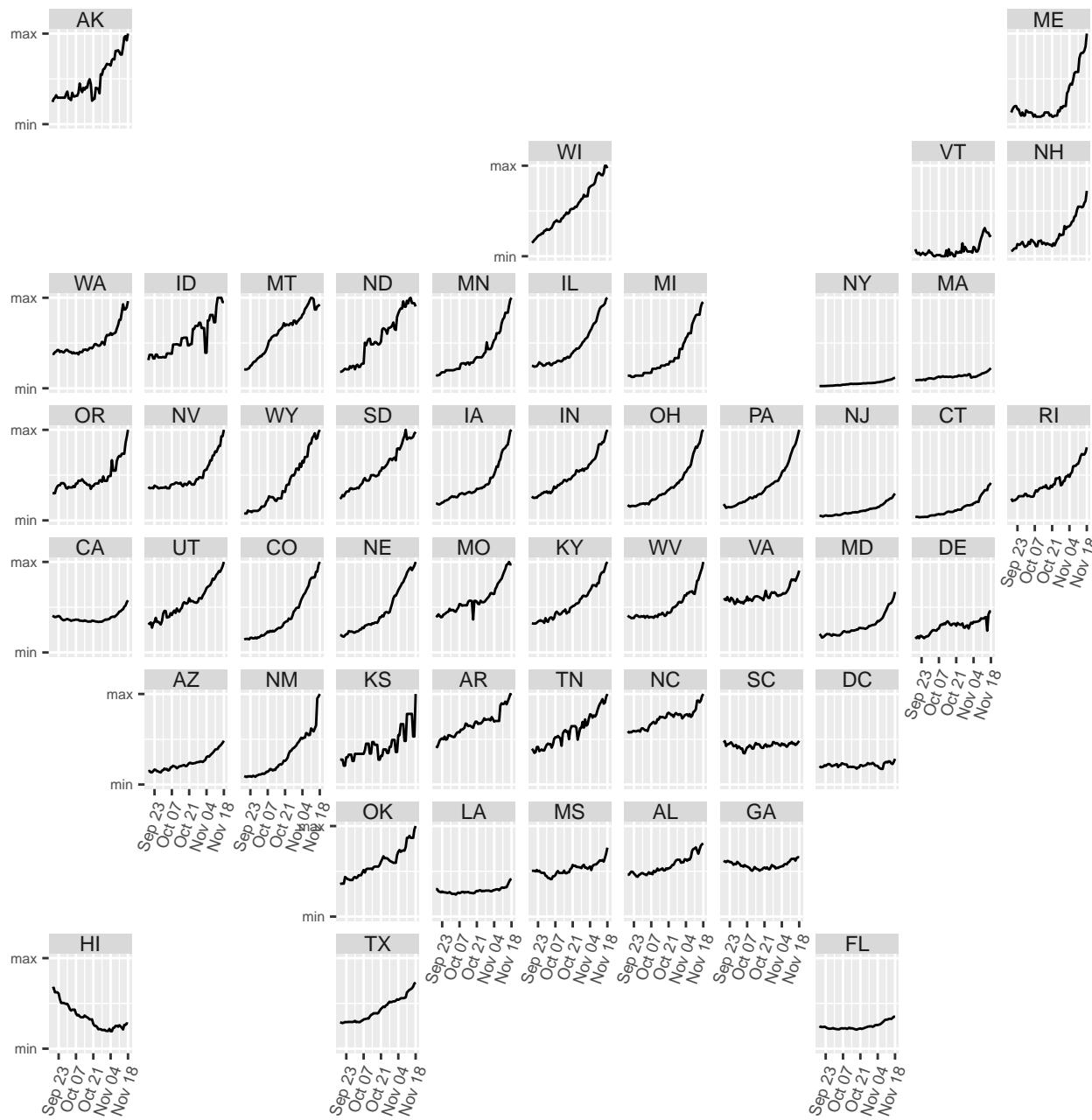
Current hospitalizations as a percent of peak since February

Mask mandate is from July 20th. Political lean is based on election results.



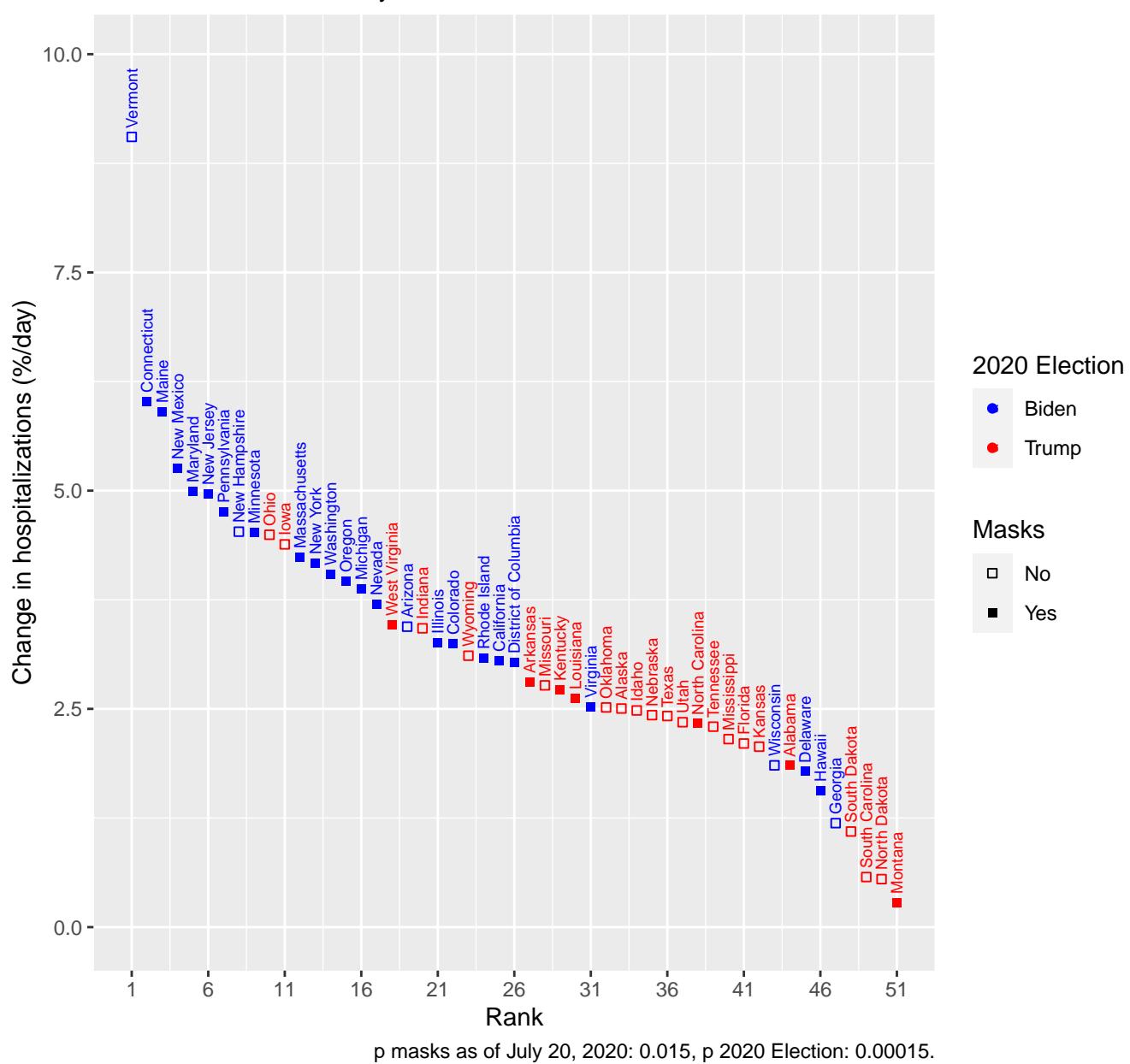
Hospitalizations trends from min to max

Hospitalizations from min to max

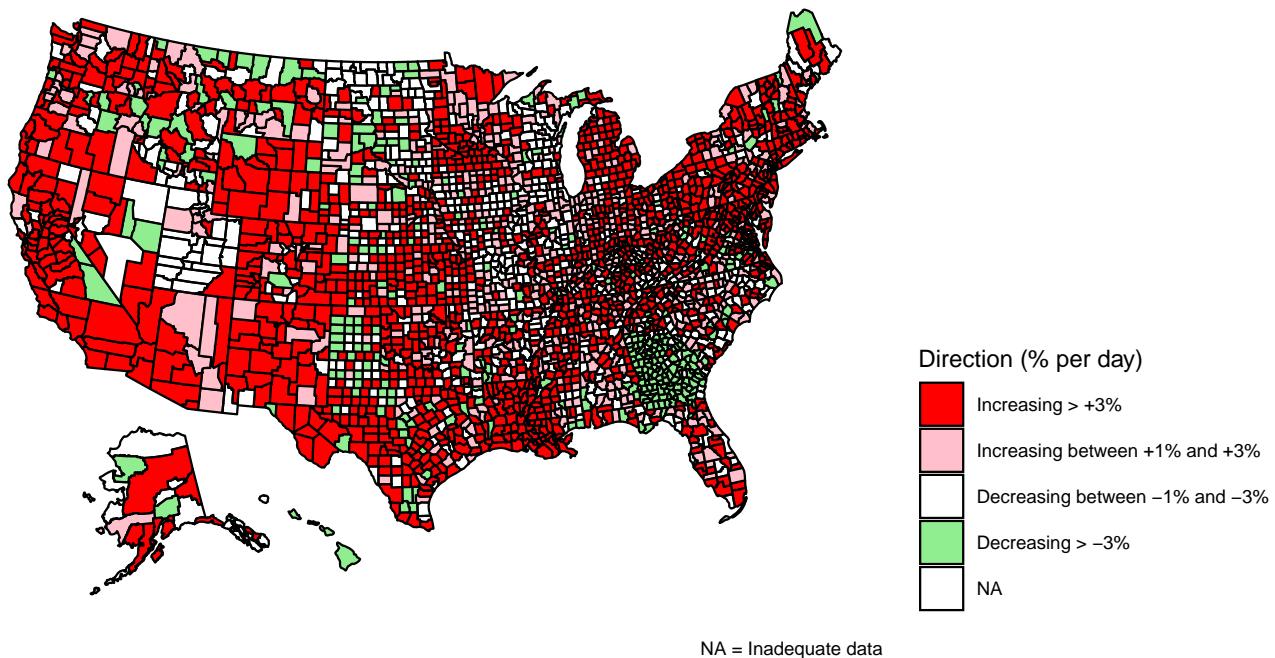


Change in hospitalizations over past 14 days

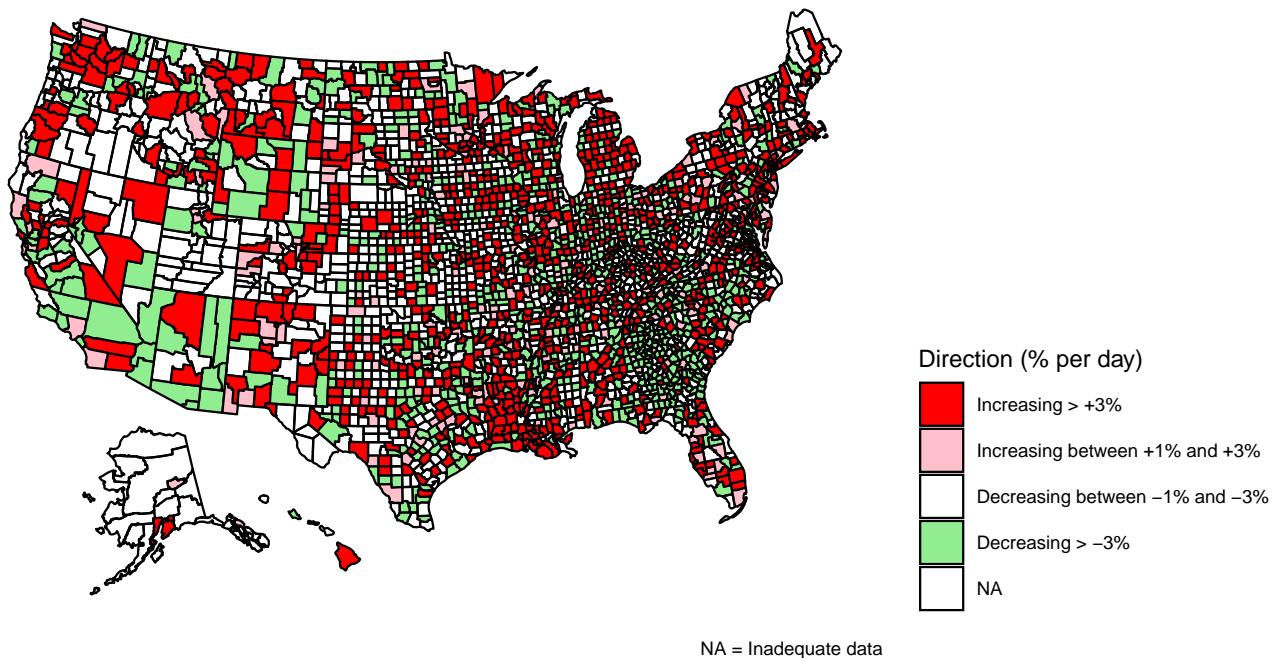
Mask mandate is from July 20th. Political lean is based on election results.



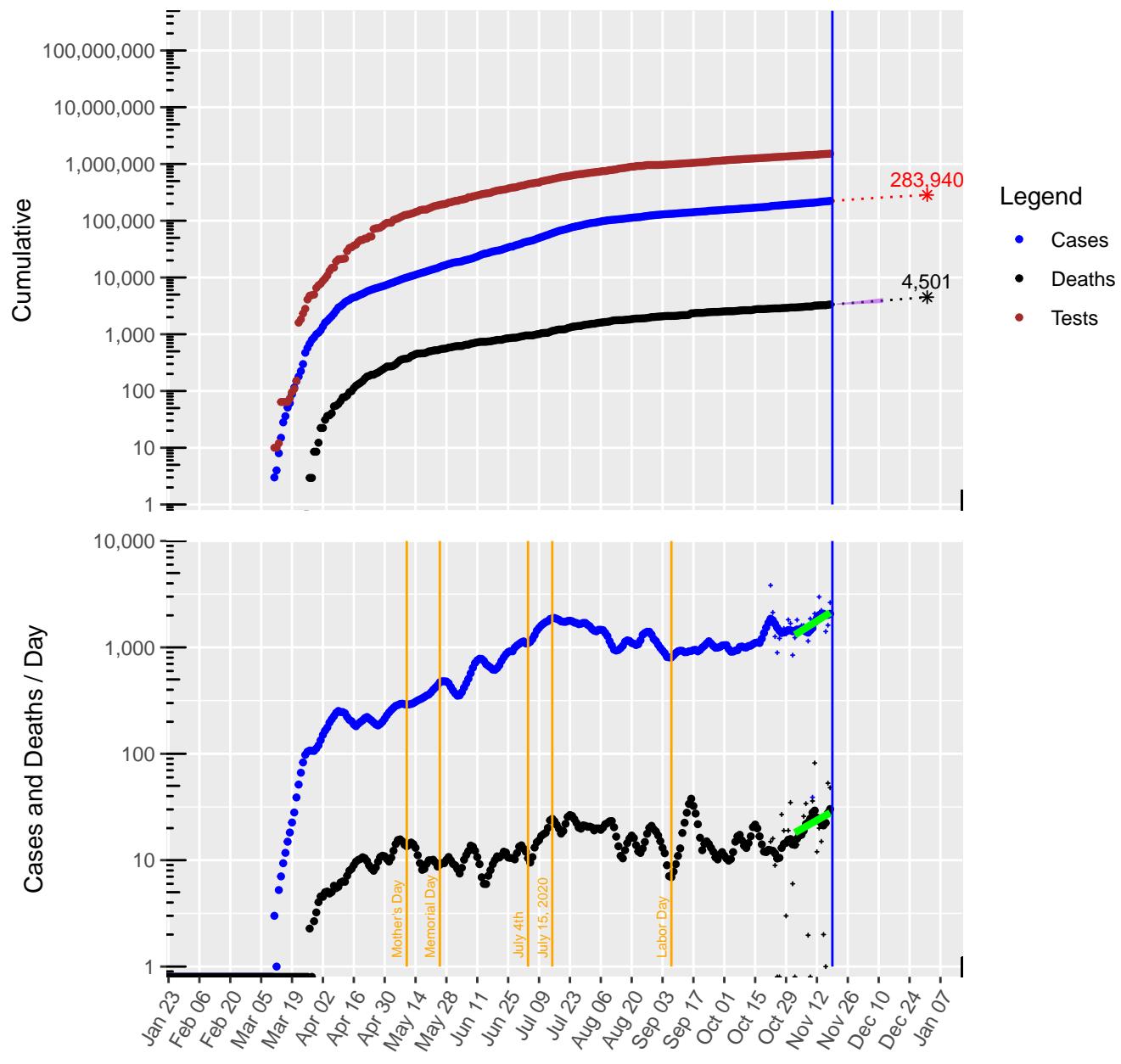
Case trends over 16 days as of 2020-11-19



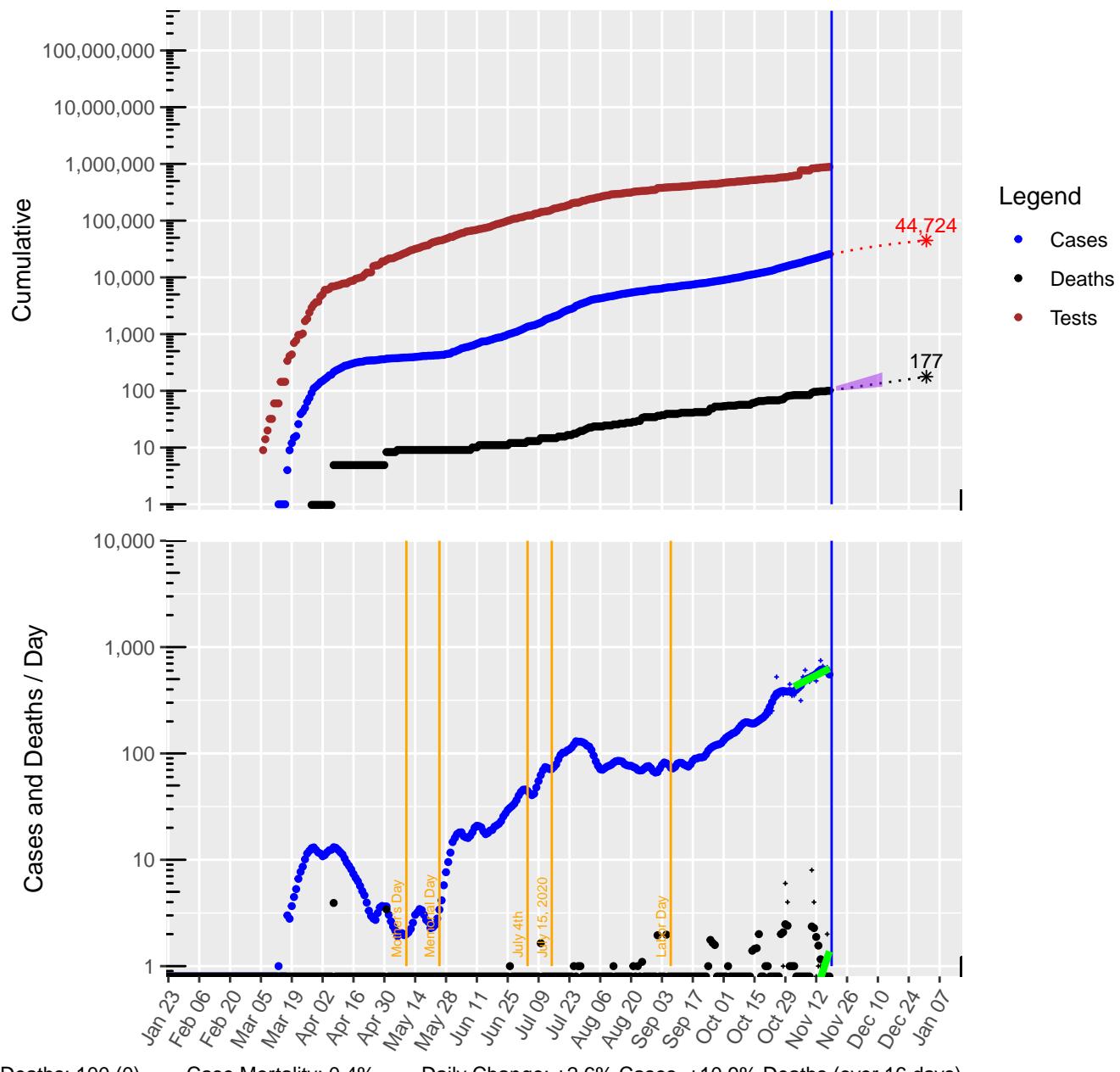
Death trends over 16 days as of 2020-11-19



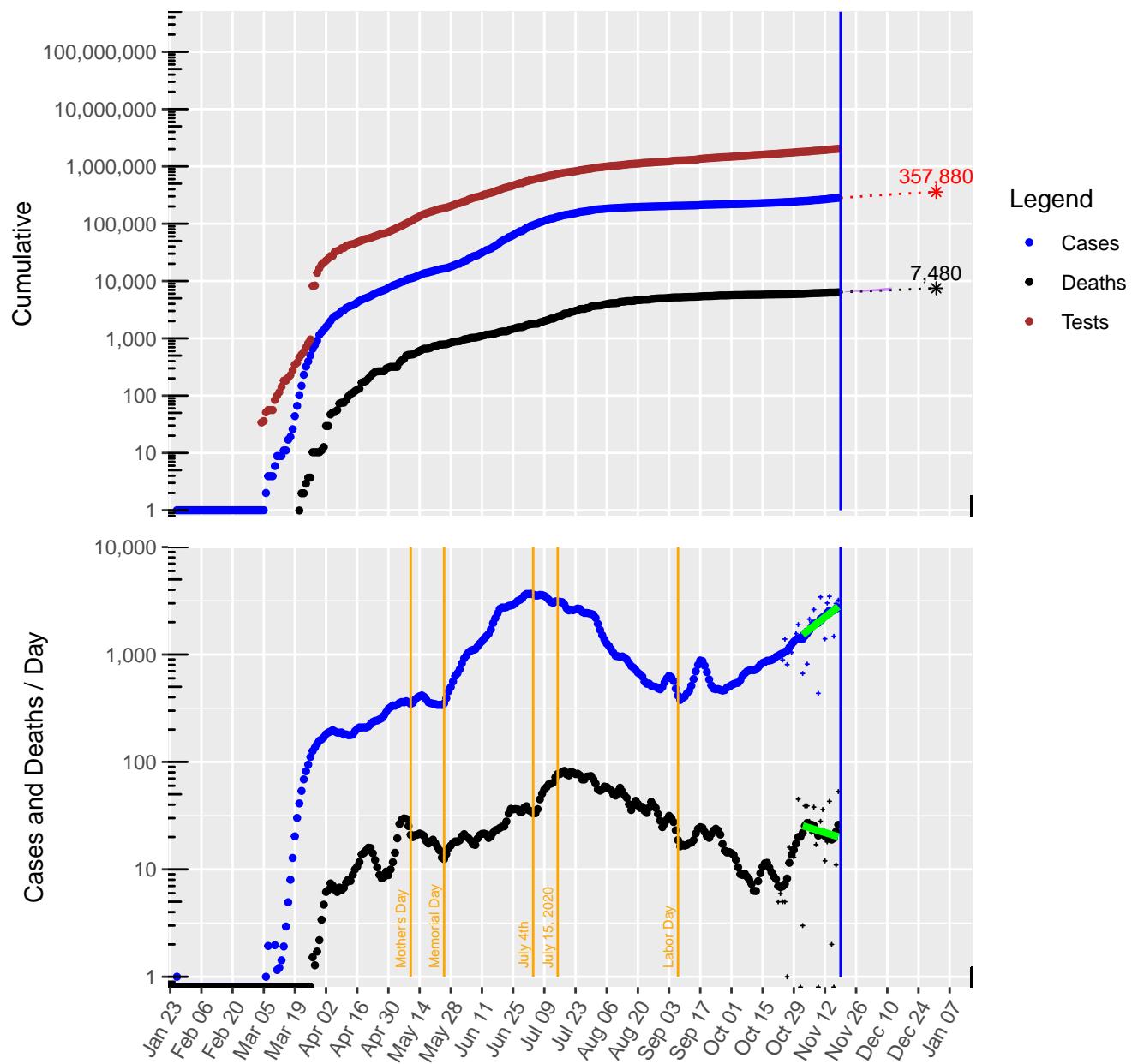
Alabama projection as of 2020-11-19



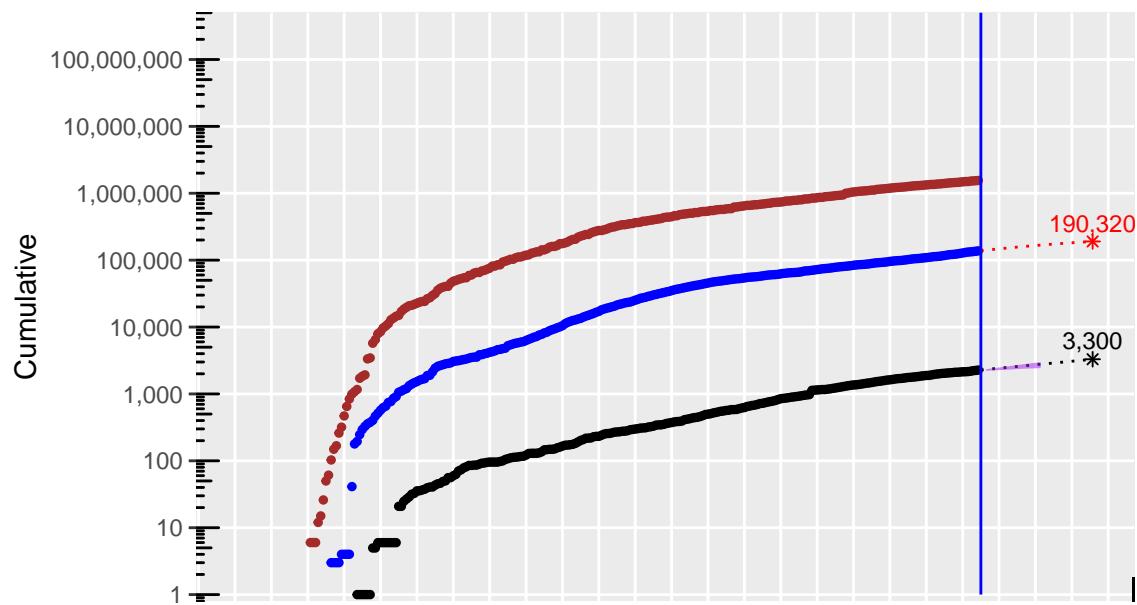
Alaska projection as of 2020-11-19



Arizona projection as of 2020-11-19

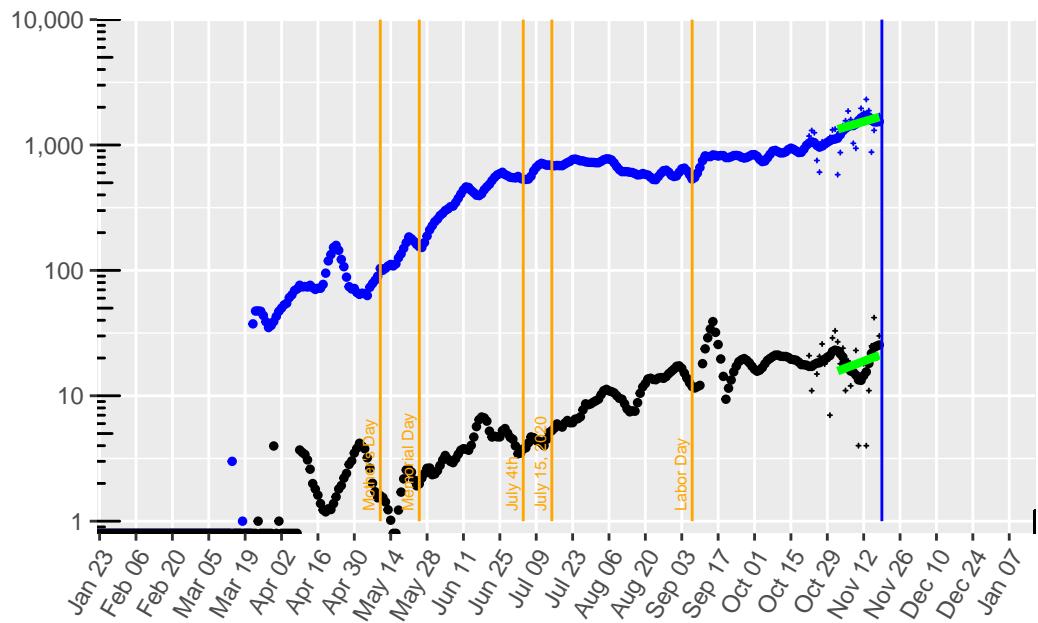


Arkansas projection as of 2020-11-19



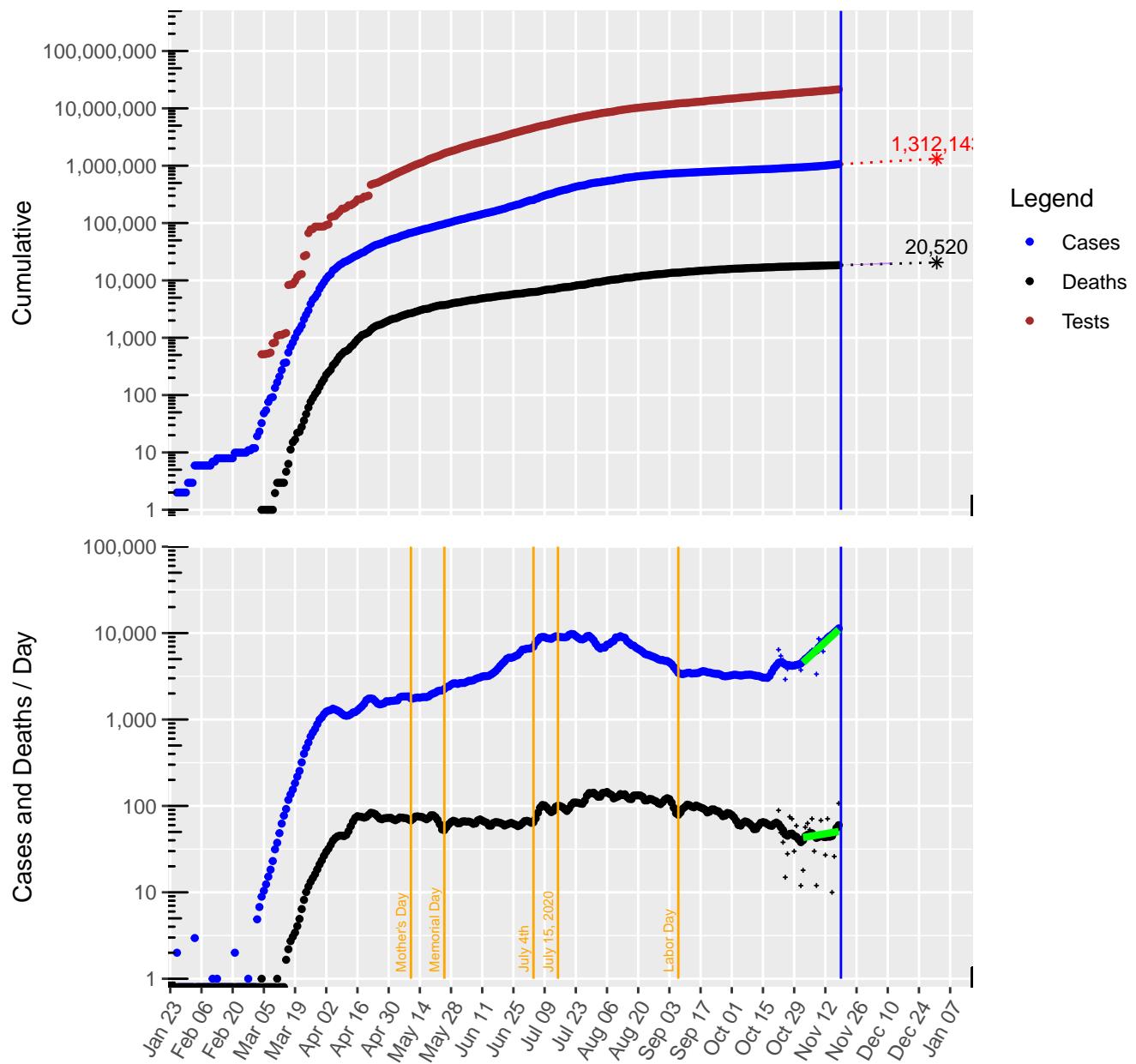
Legend

- Cases
- Deaths
- Tests

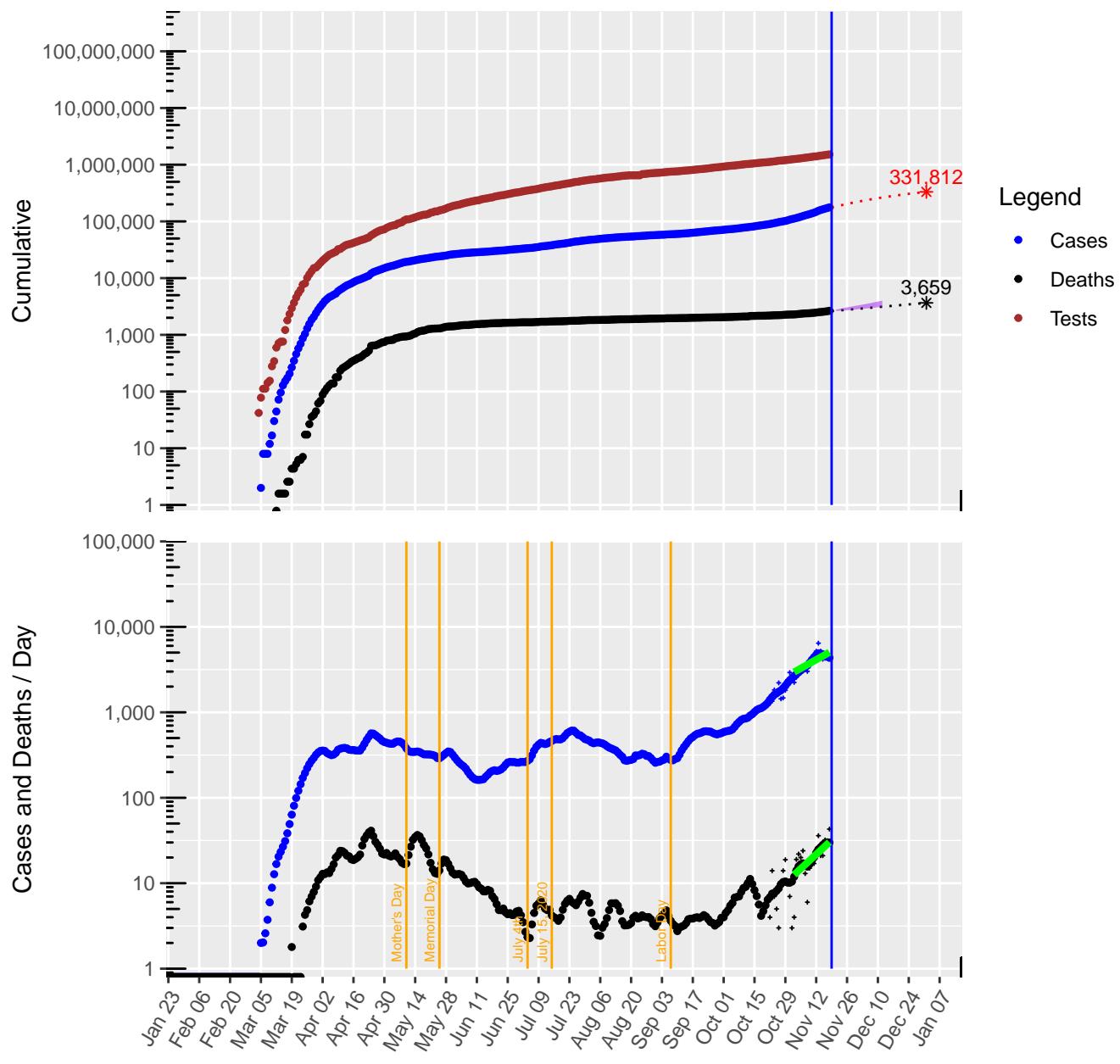


Deaths: 2,275 (30) — Case Mortality: 1.7% — Daily Change: +1.5% Cases, +1.9% Deaths (over 16 days)

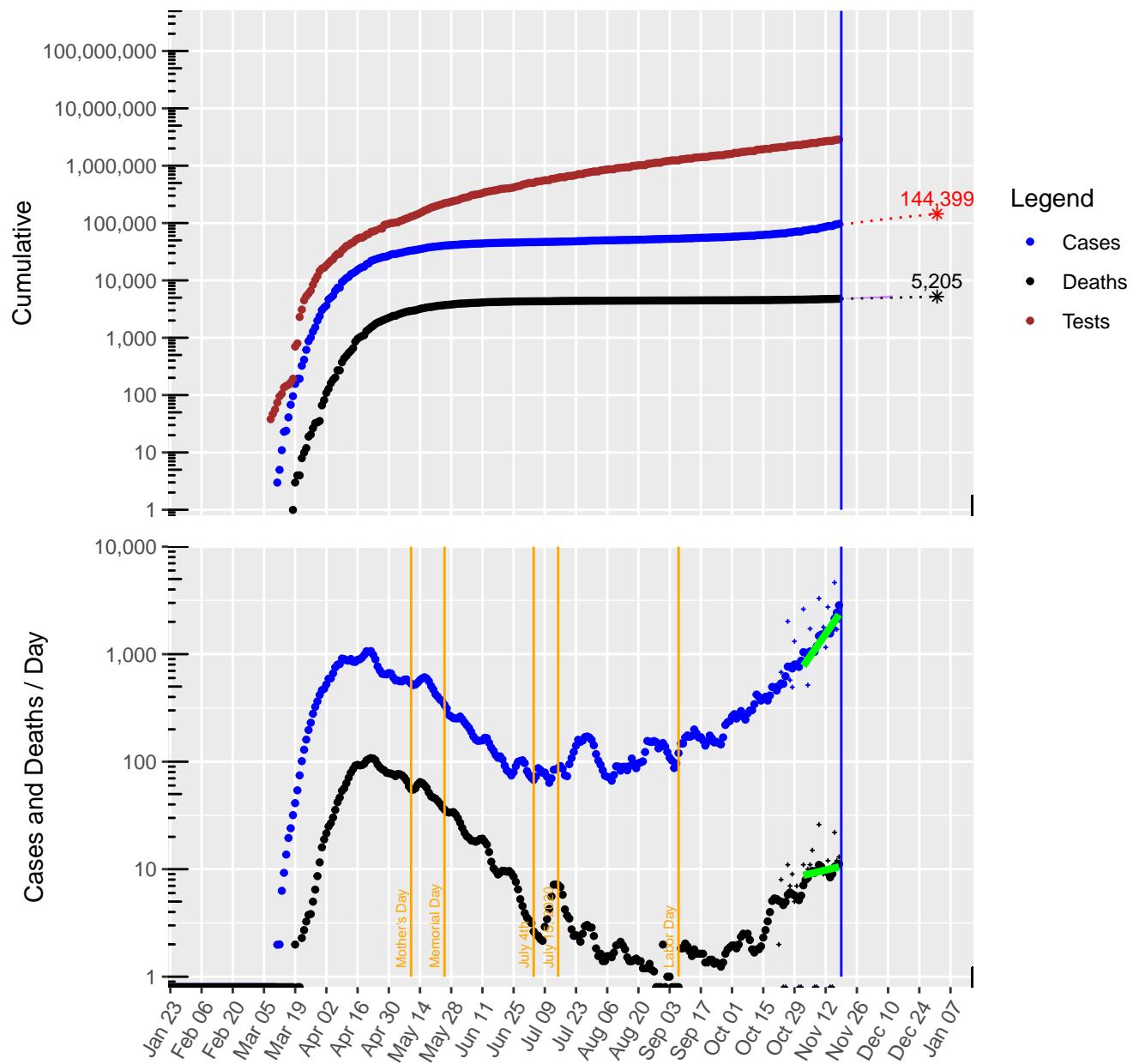
California projection as of 2020-11-19



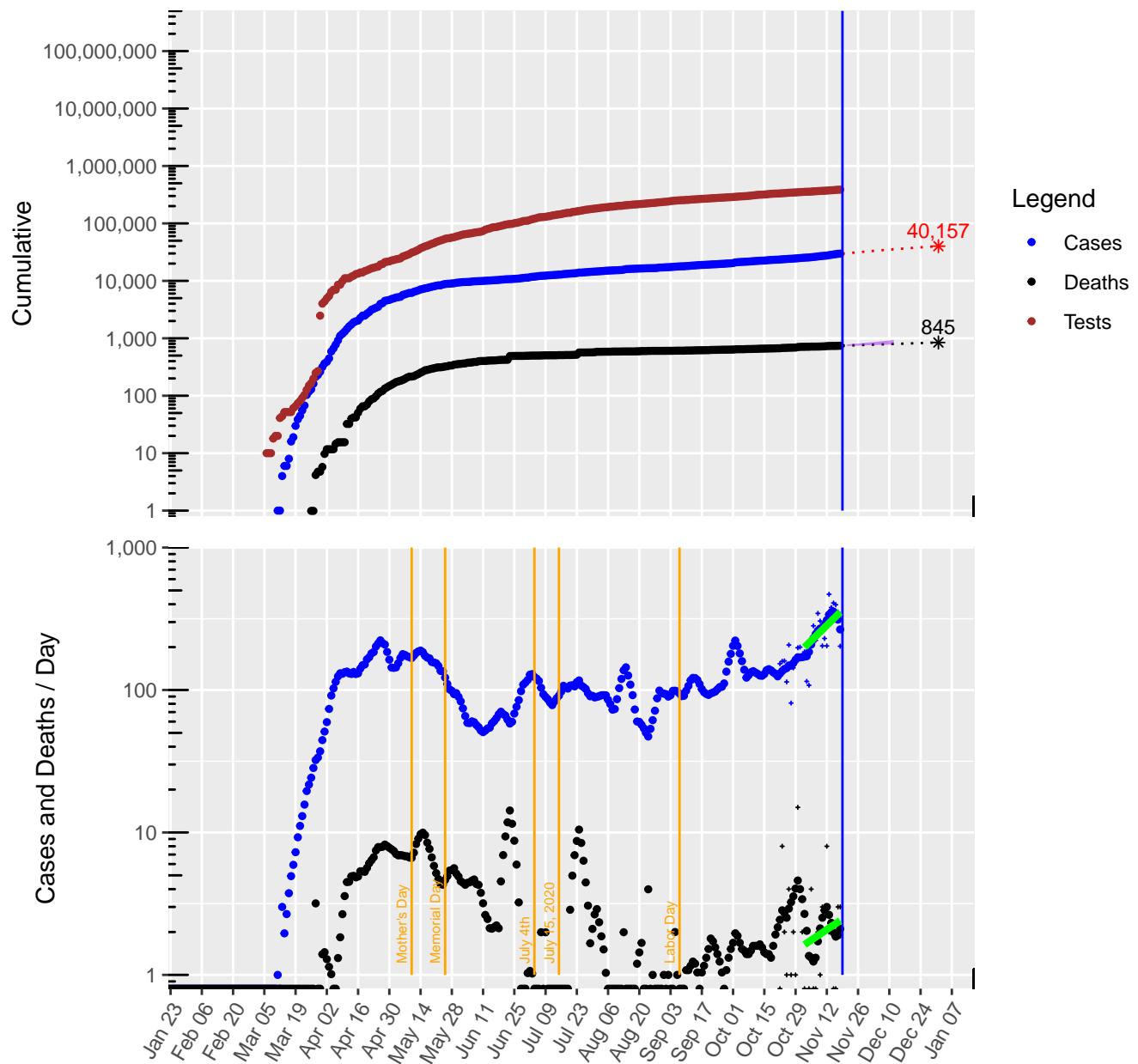
Colorado projection as of 2020-11-19



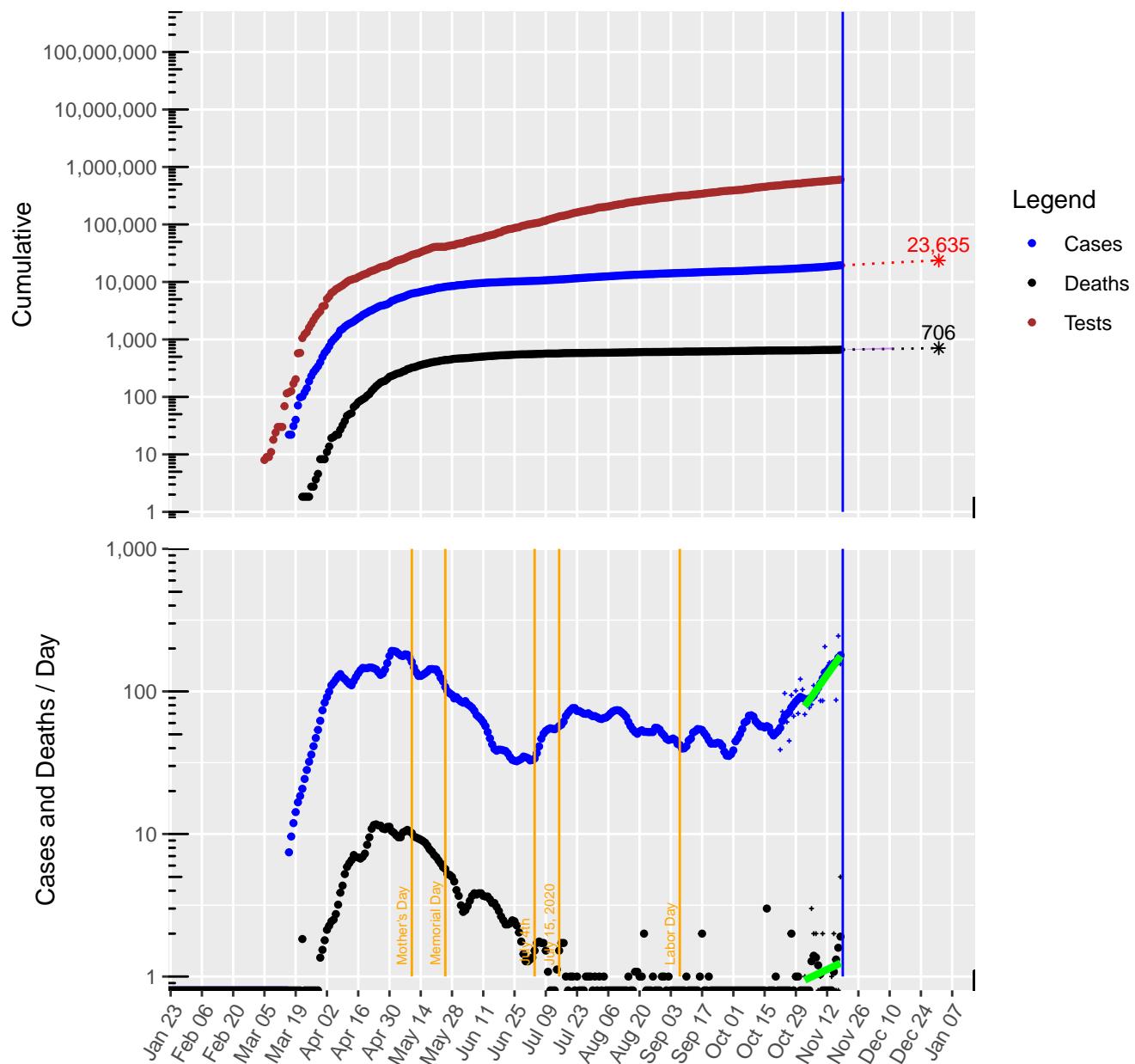
Connecticut projection as of 2020-11-19



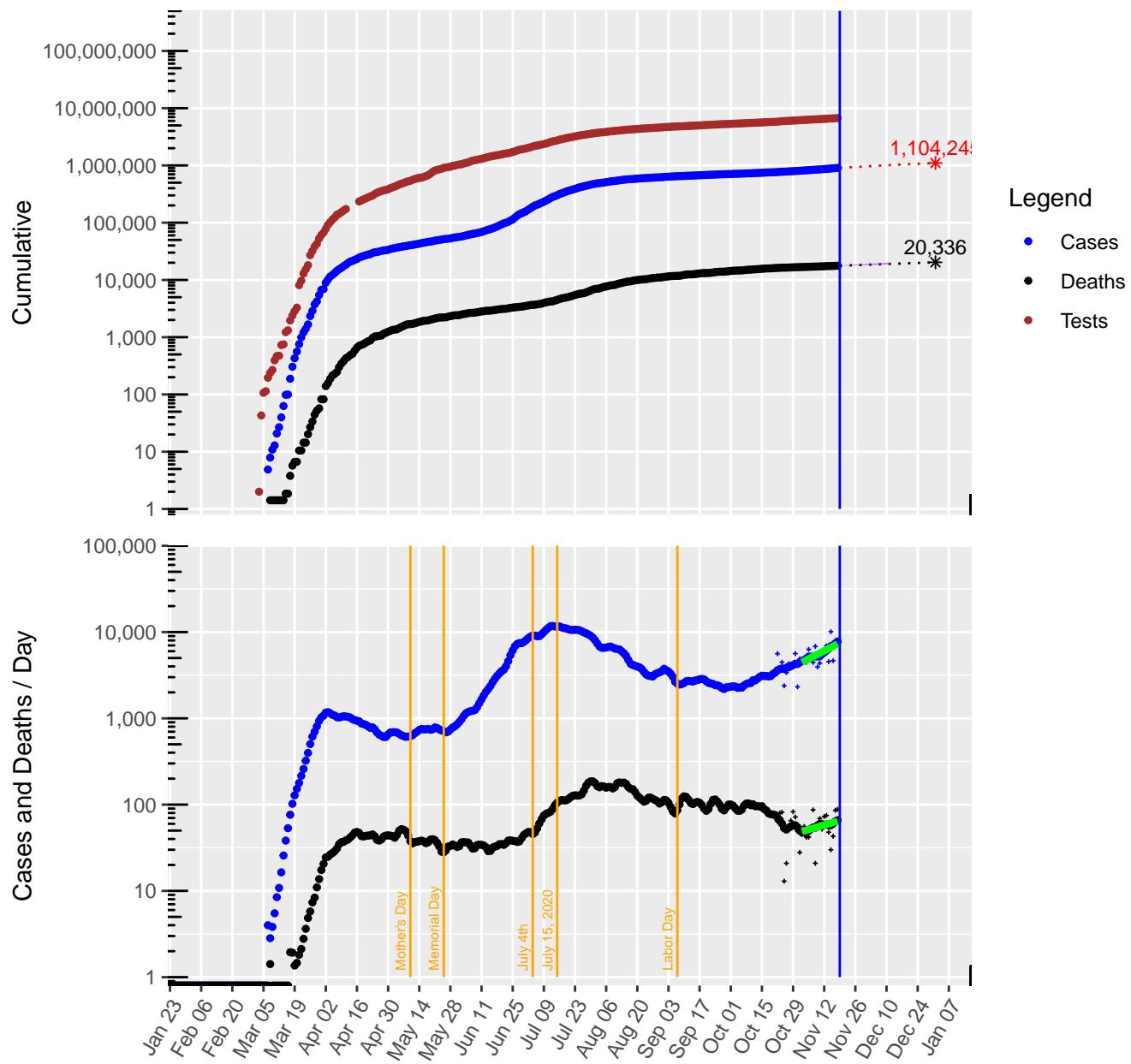
Delaware projection as of 2020-11-19



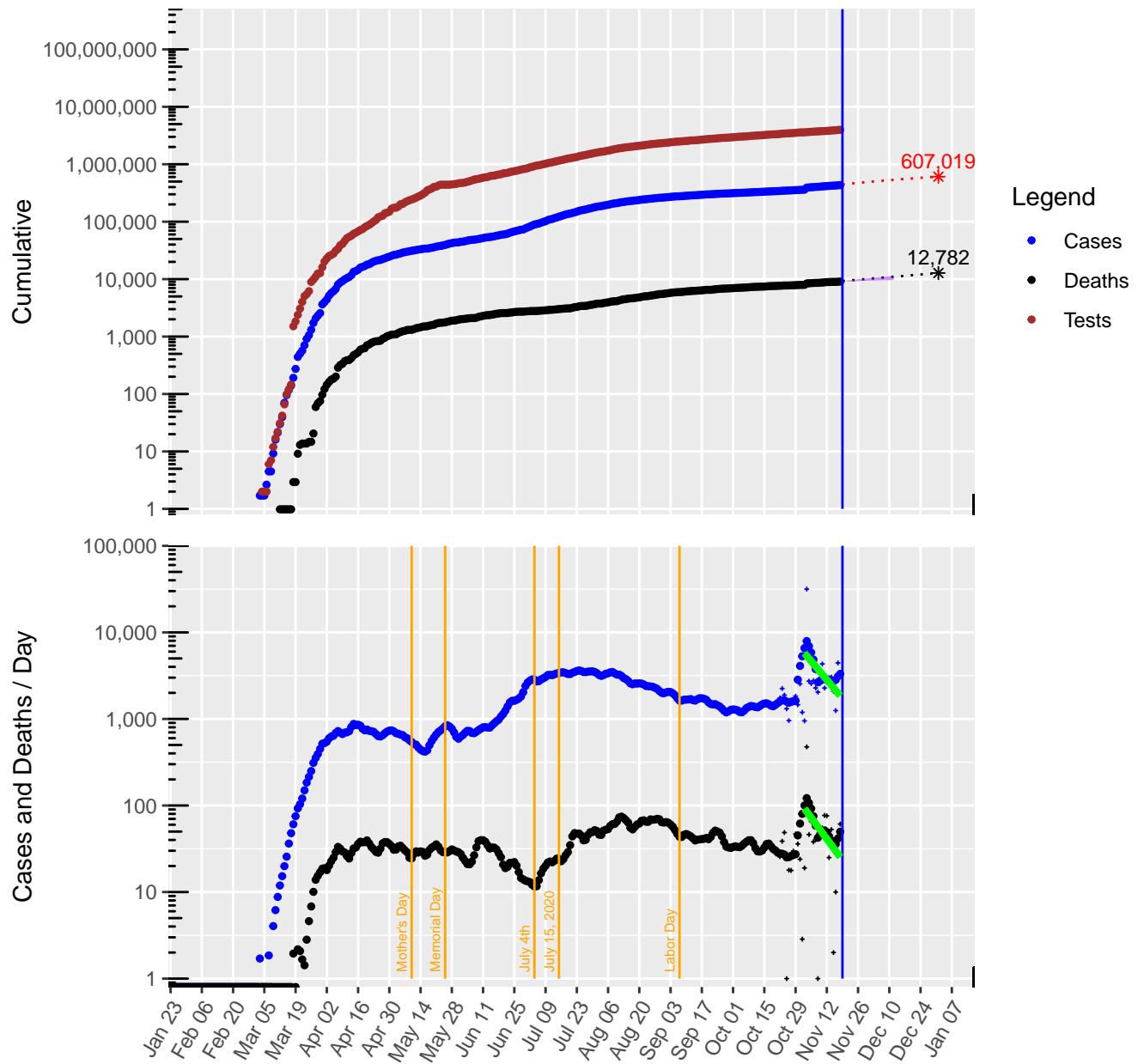
District of Columbia projection as of 2020-11-19



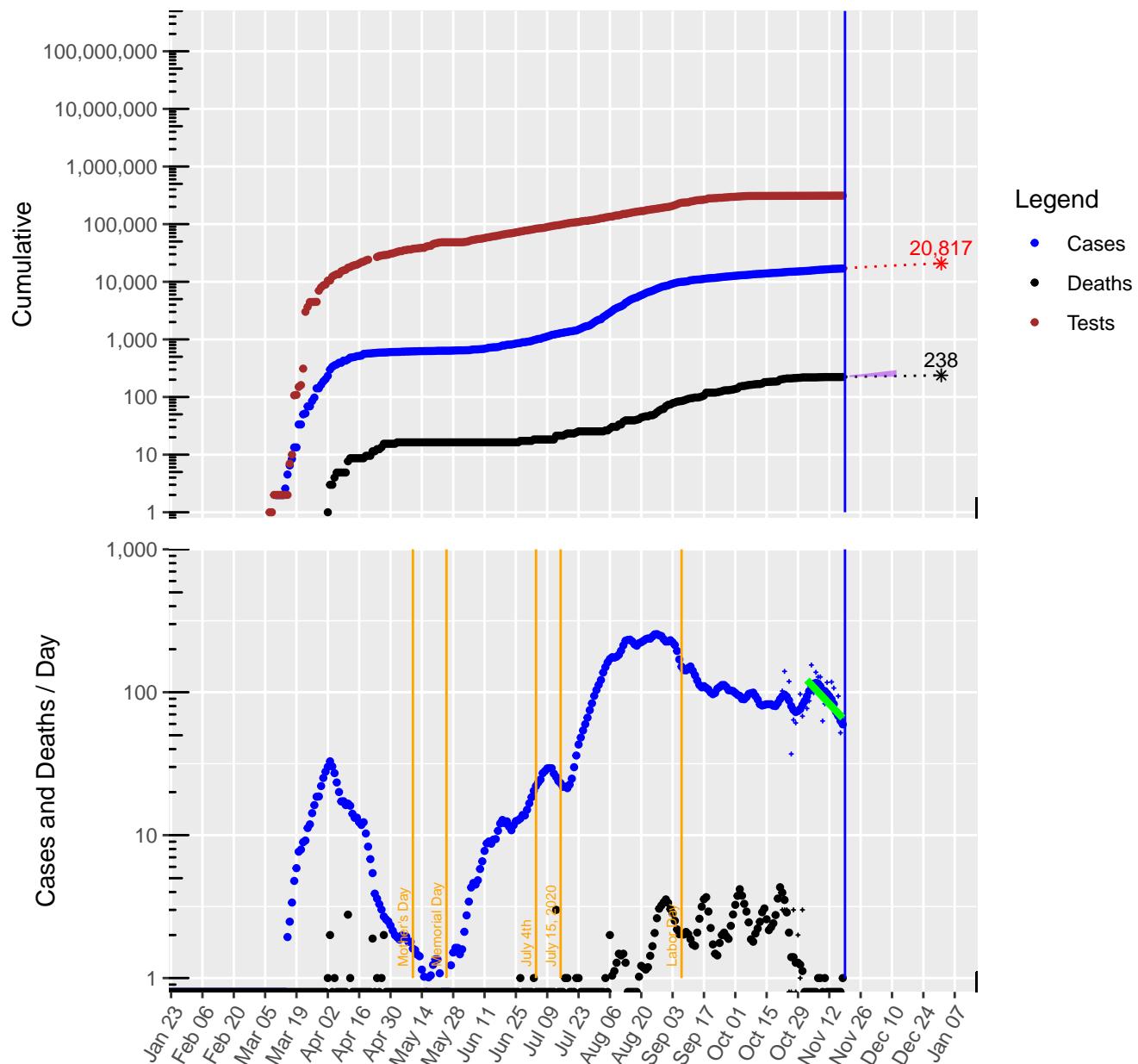
Florida projection as of 2020-11-19



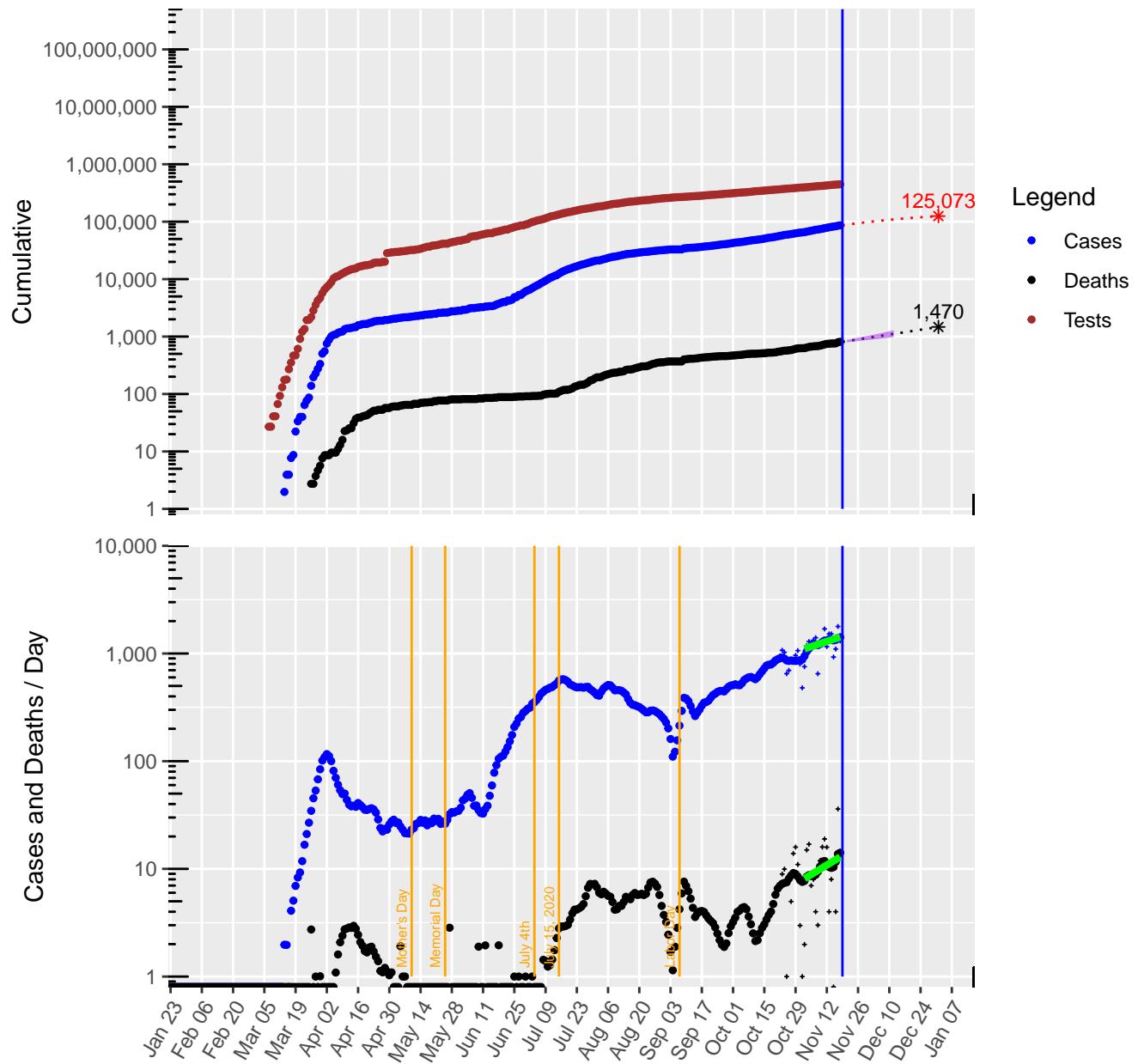
Georgia projection as of 2020-11-19



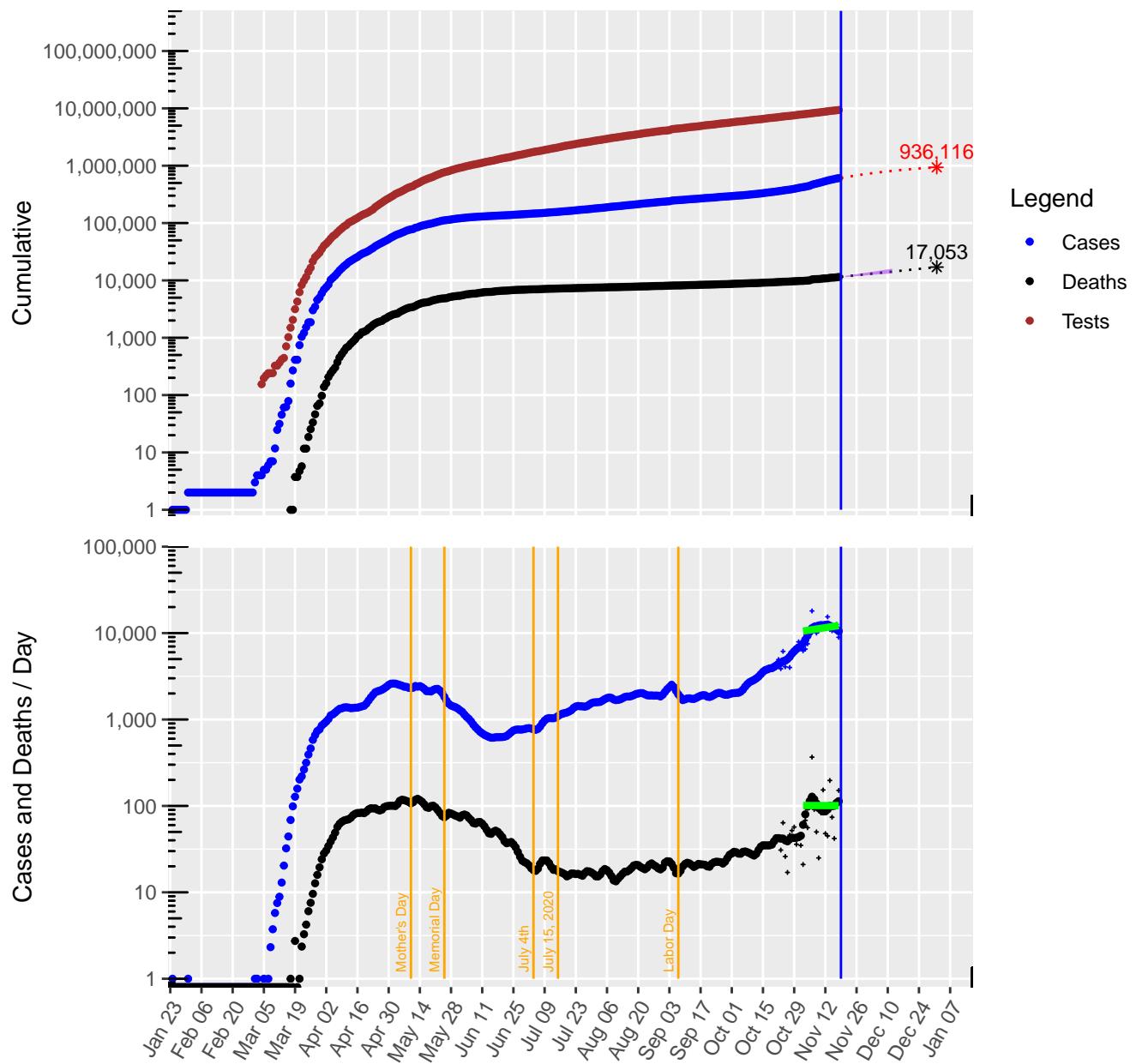
Hawaii projection as of 2020-11-19



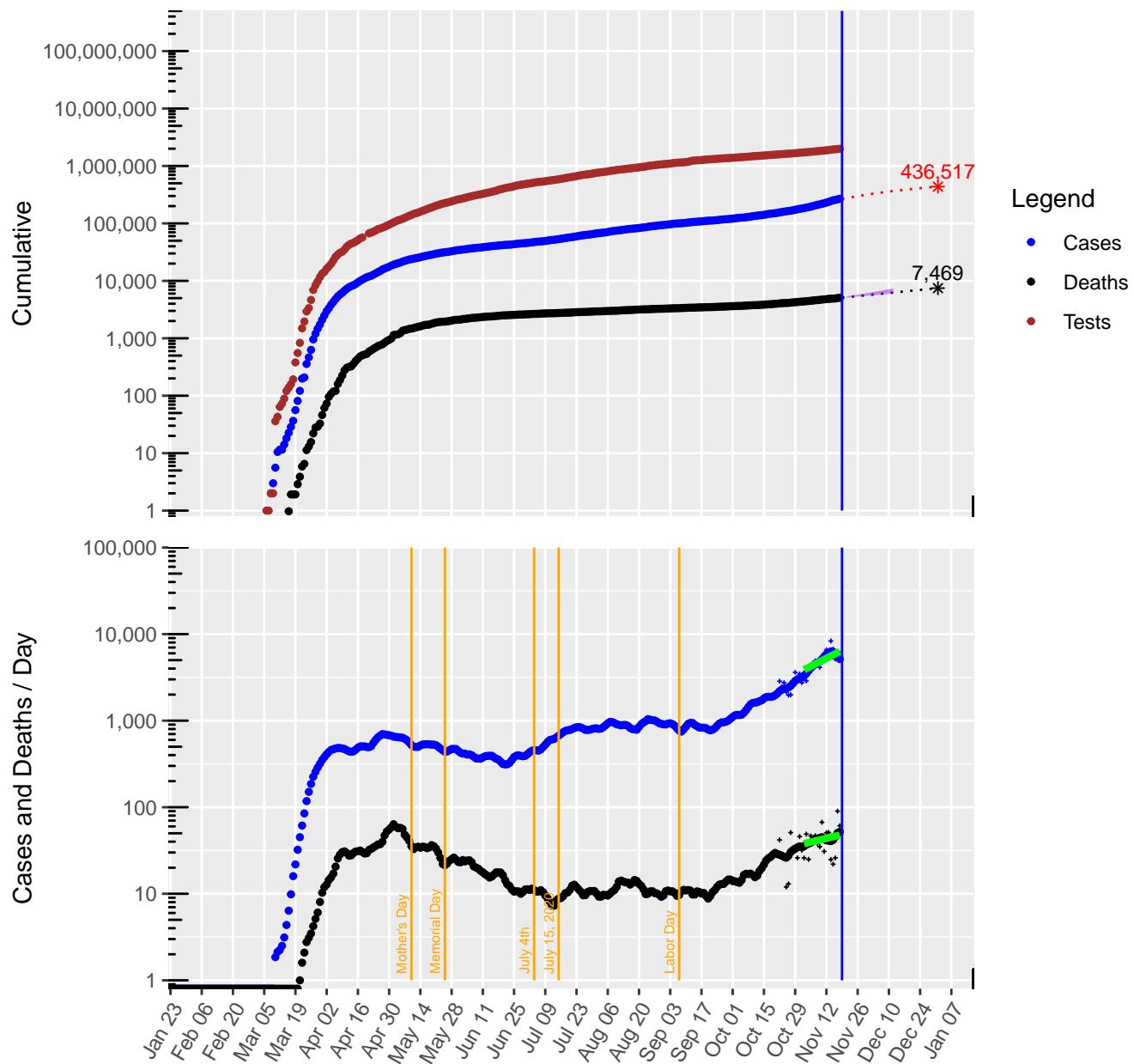
Idaho projection as of 2020-11-19



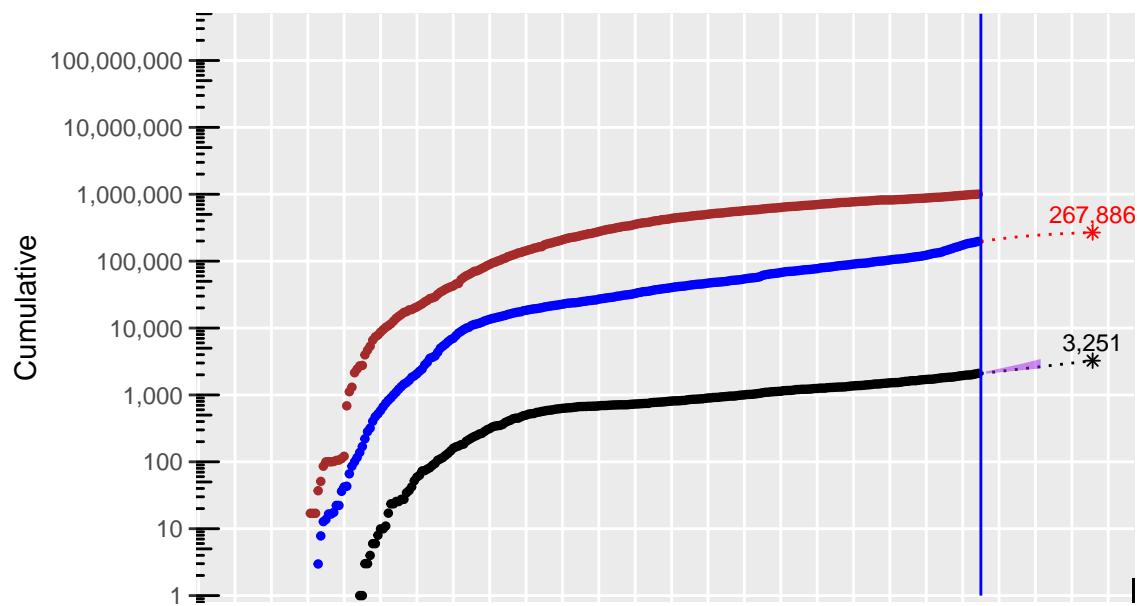
Illinois projection as of 2020-11-19



Indiana projection as of 2020-11-19

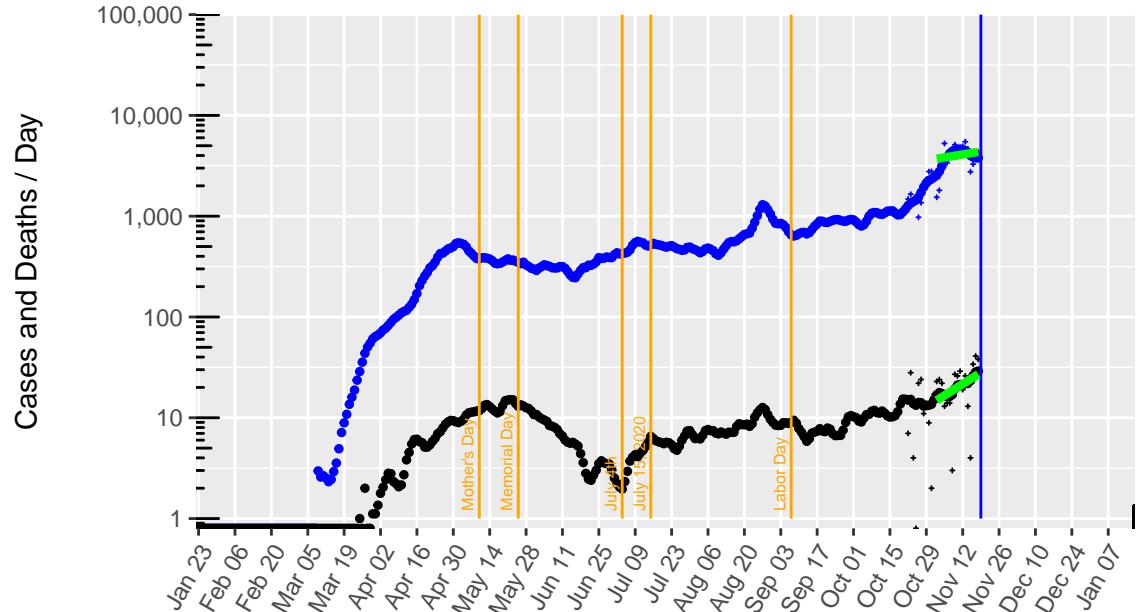


Iowa projection as of 2020-11-19



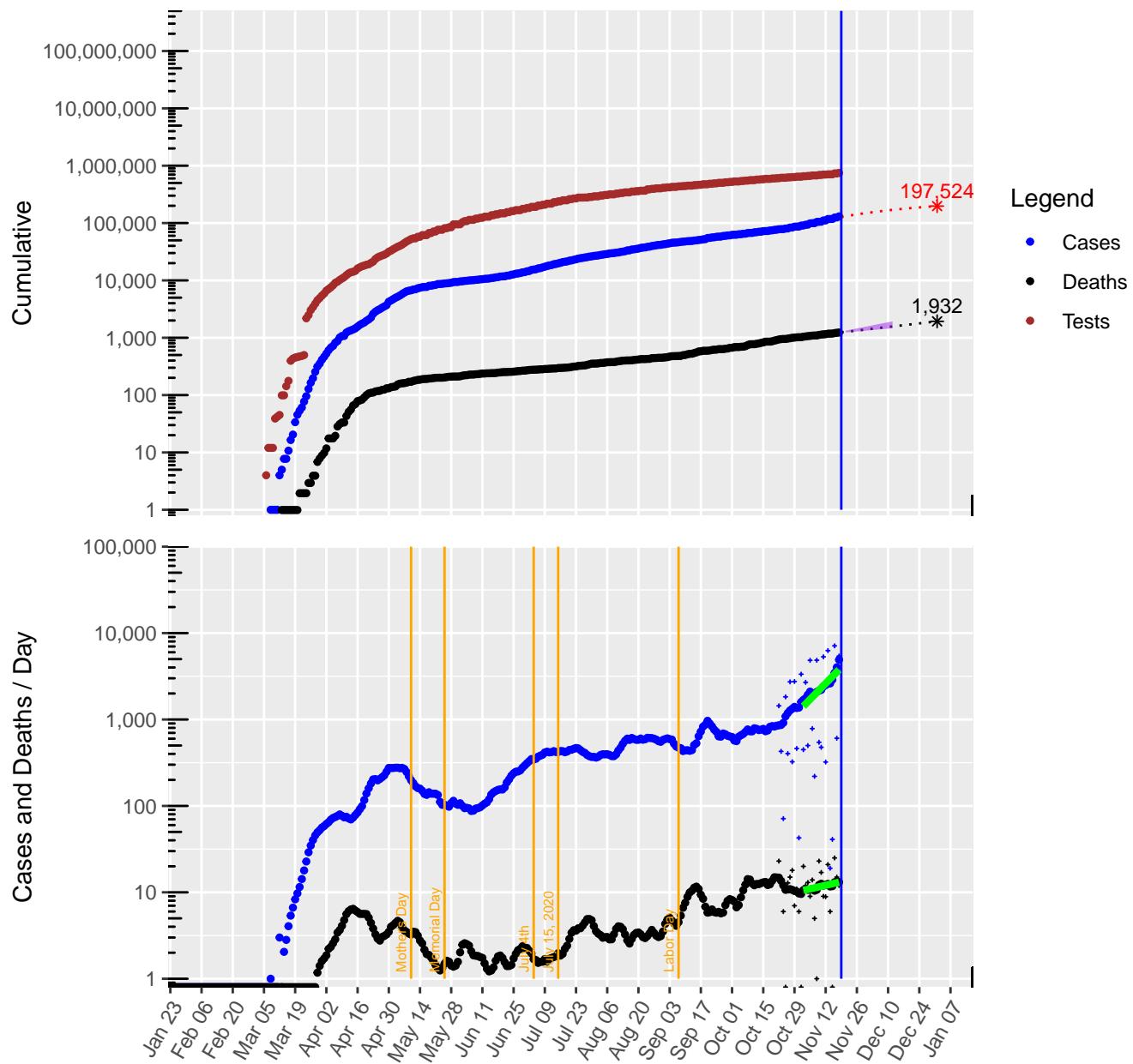
Legend

- Cases
- Deaths
- Tests

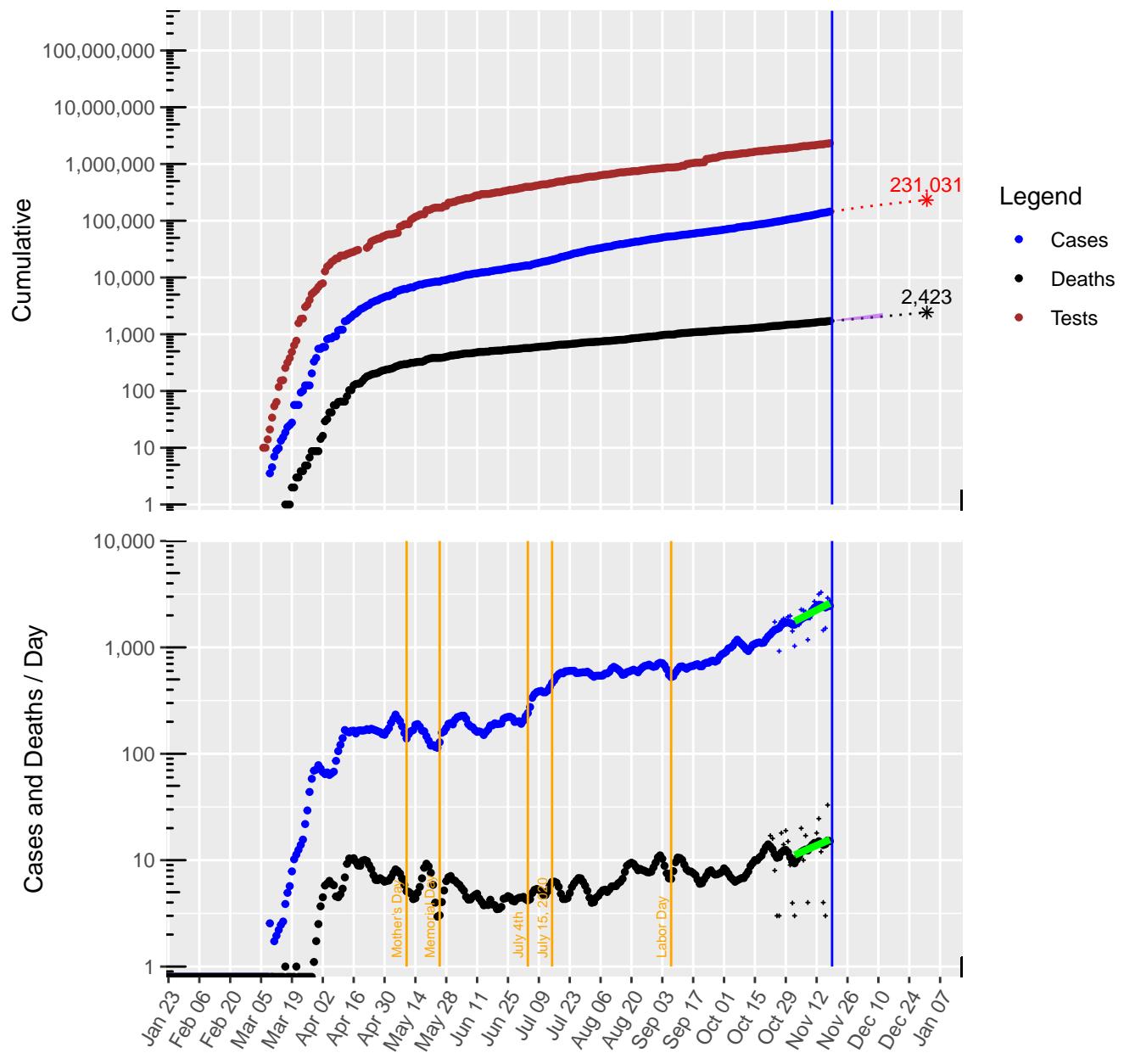


Deaths: 2,102 (38) --- Case Mortality: 1.1% --- Daily Change: +1.0% Cases, +3.9% Deaths (over 16 days)

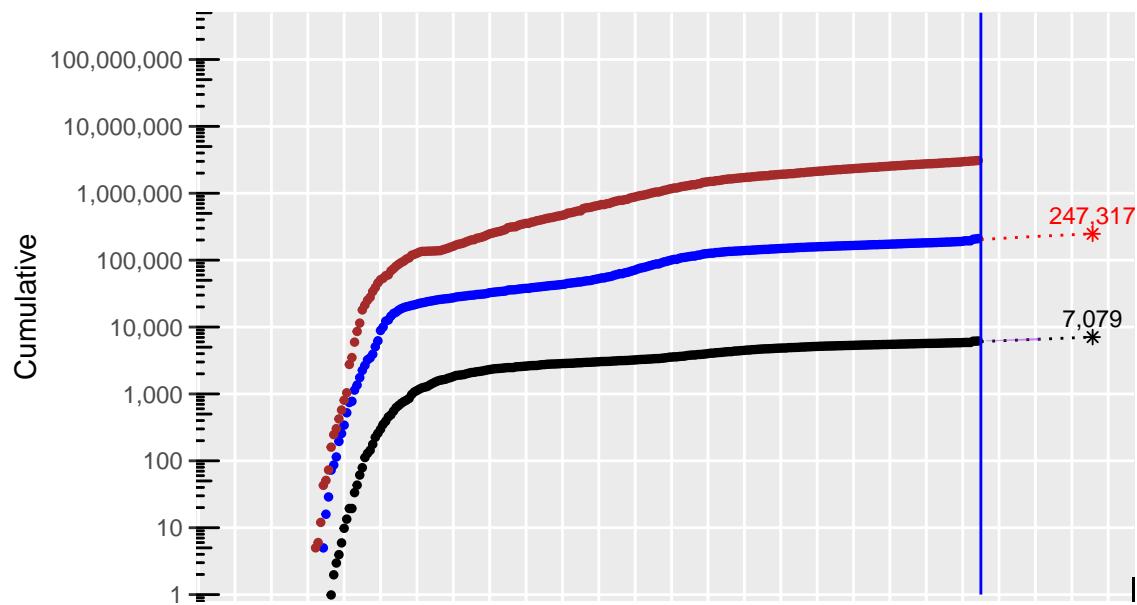
Kansas projection as of 2020-11-19



Kentucky projection as of 2020-11-19

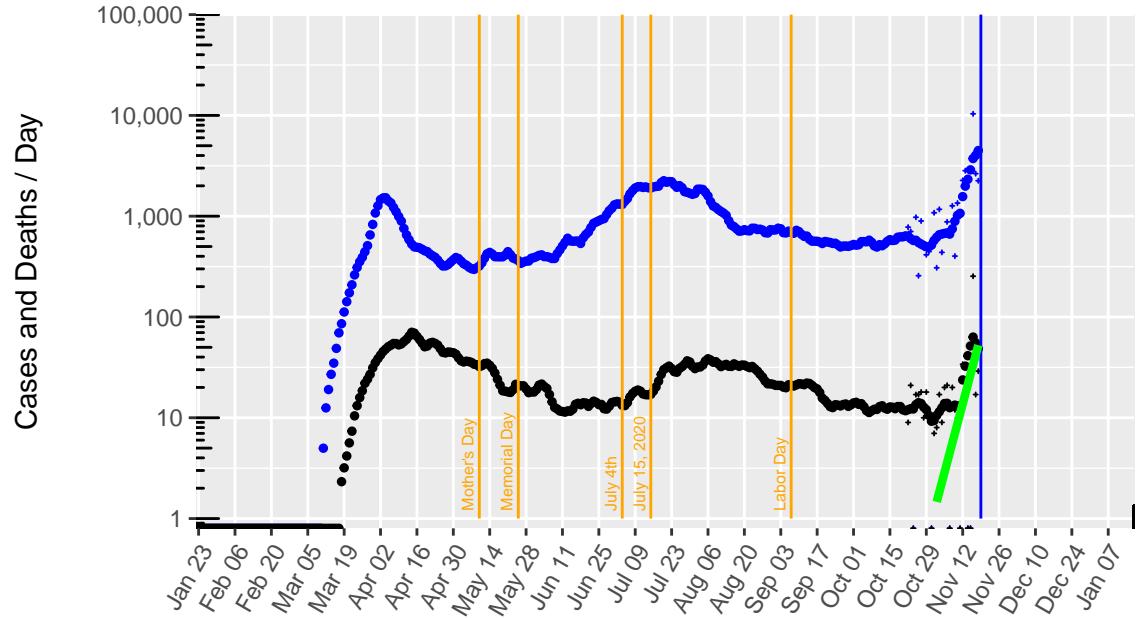


Louisiana projection as of 2020-11-19



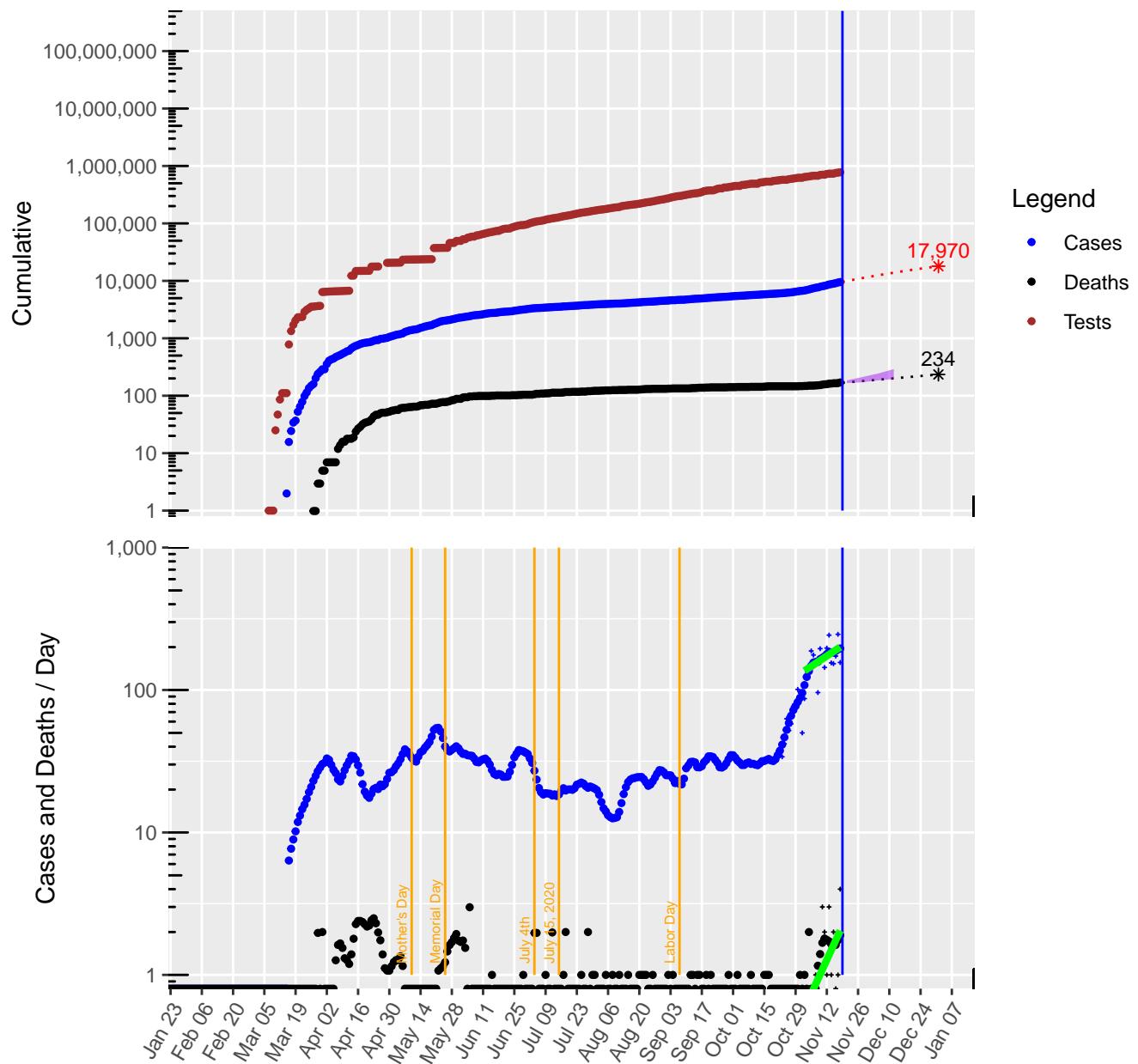
Legend

- Cases
- Deaths
- Tests

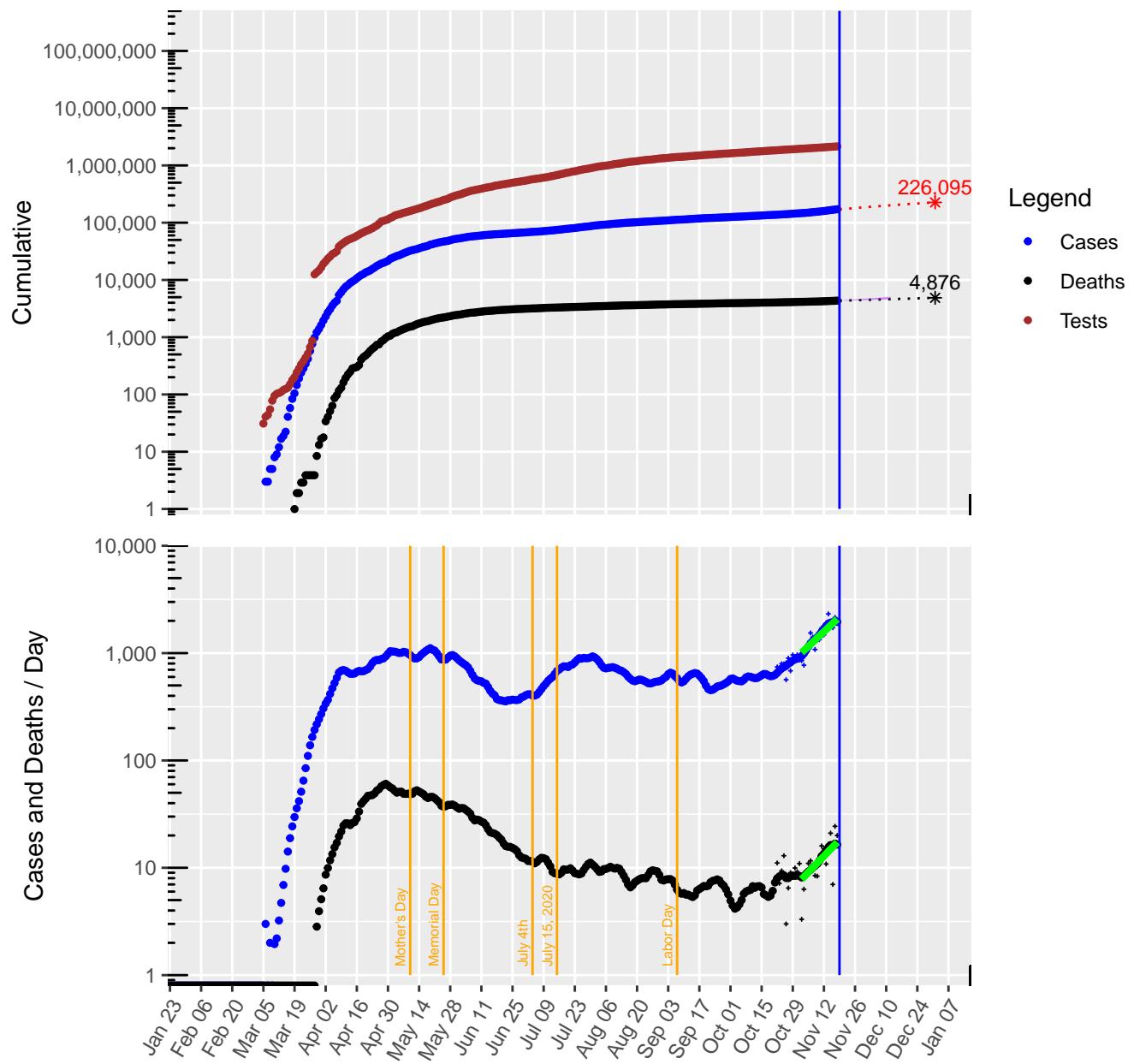


ths: 6,184 (29) --- Case Mortality: 2.9% --- Daily Change: +14.6% Cases, +12.6% Deaths (over 16 days)

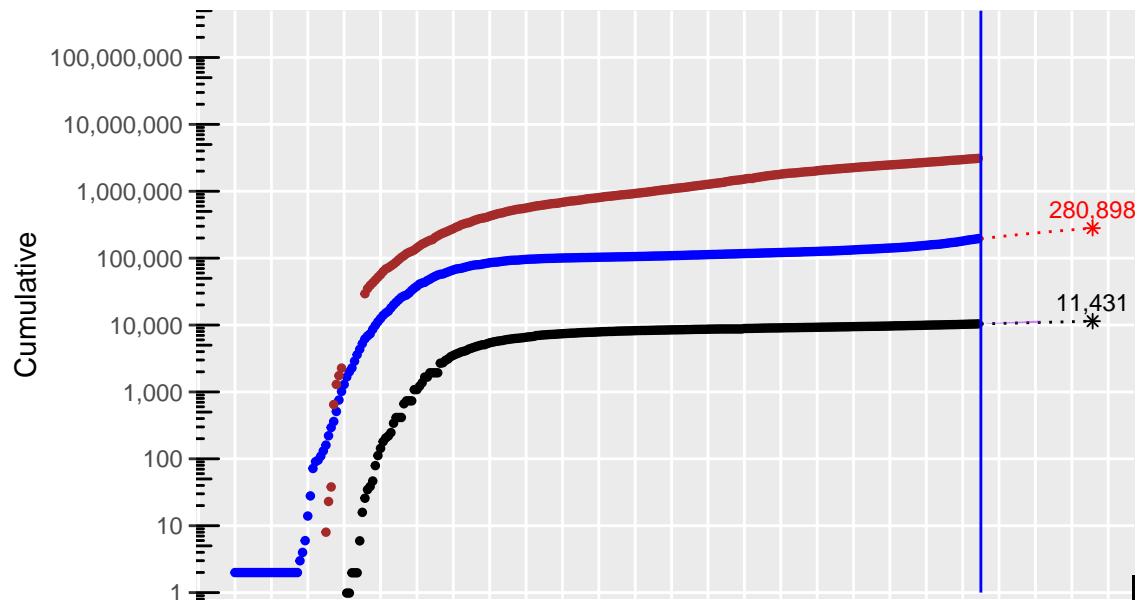
Maine projection as of 2020-11-19



Maryland projection as of 2020-11-19

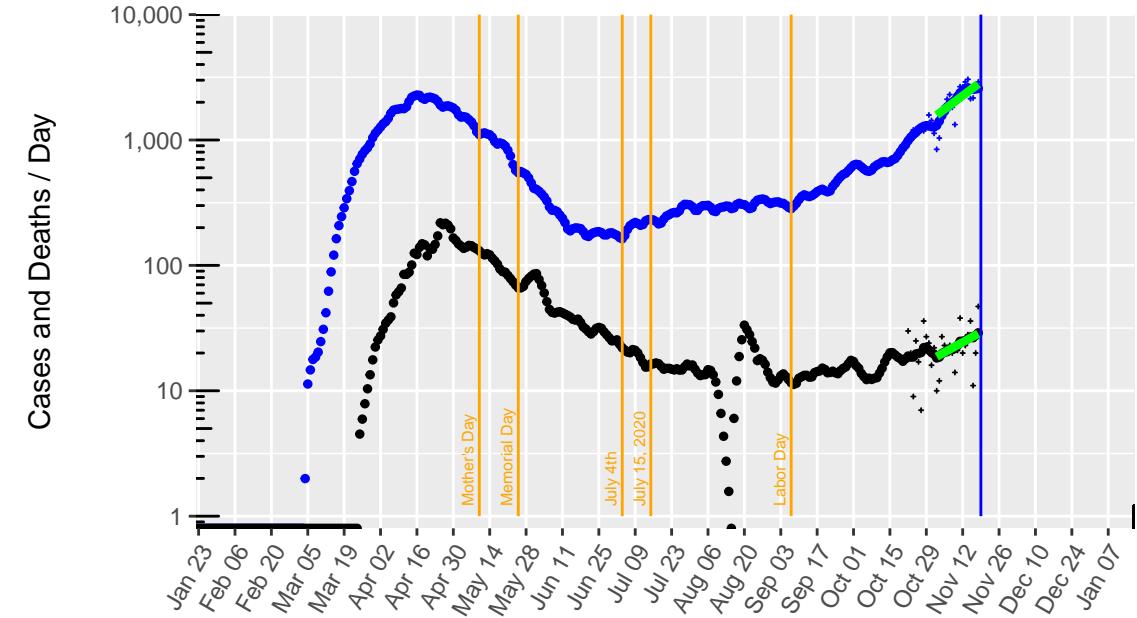


Massachusetts projection as of 2020-11-19



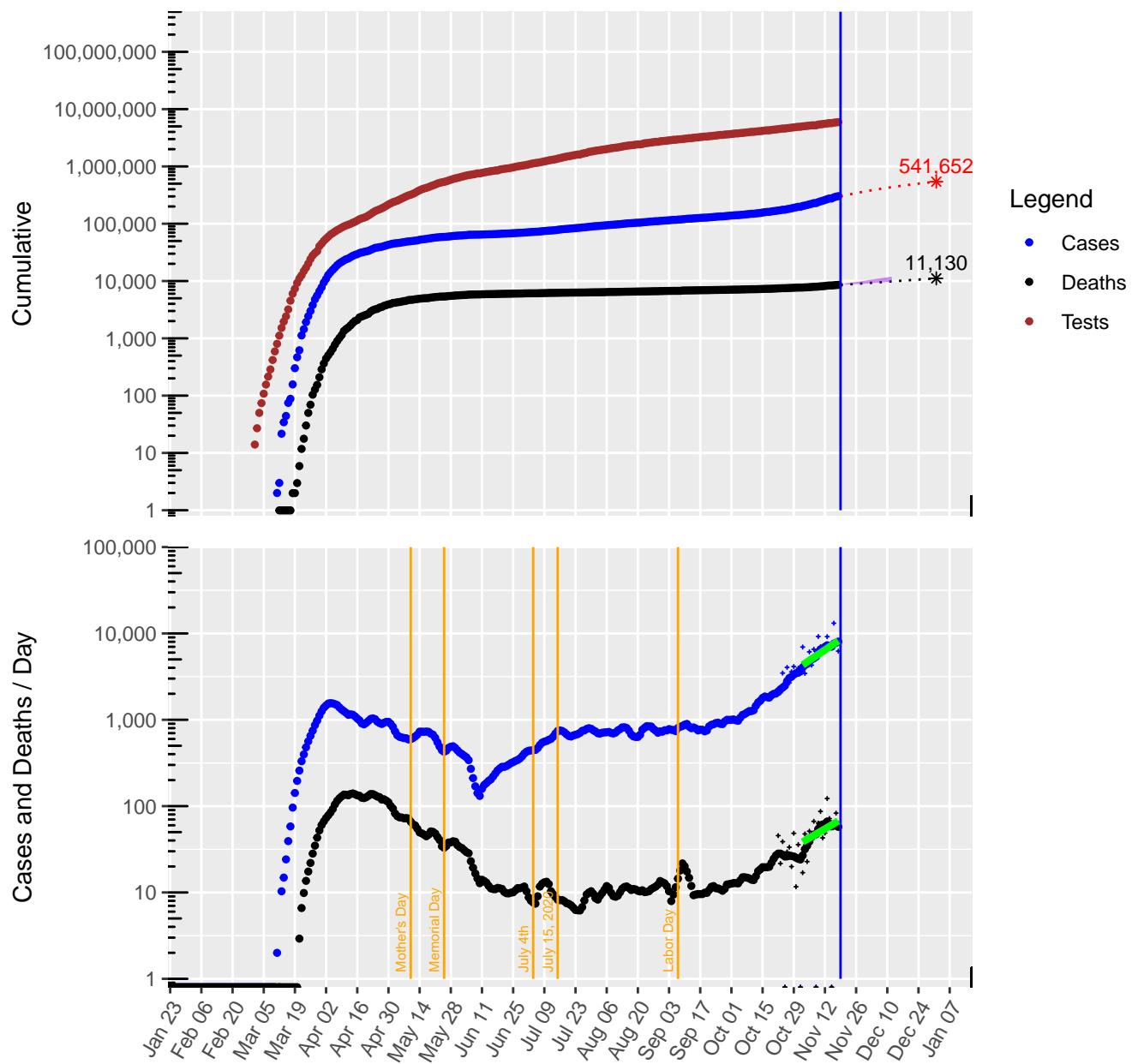
Legend

- Cases
- Deaths
- Tests

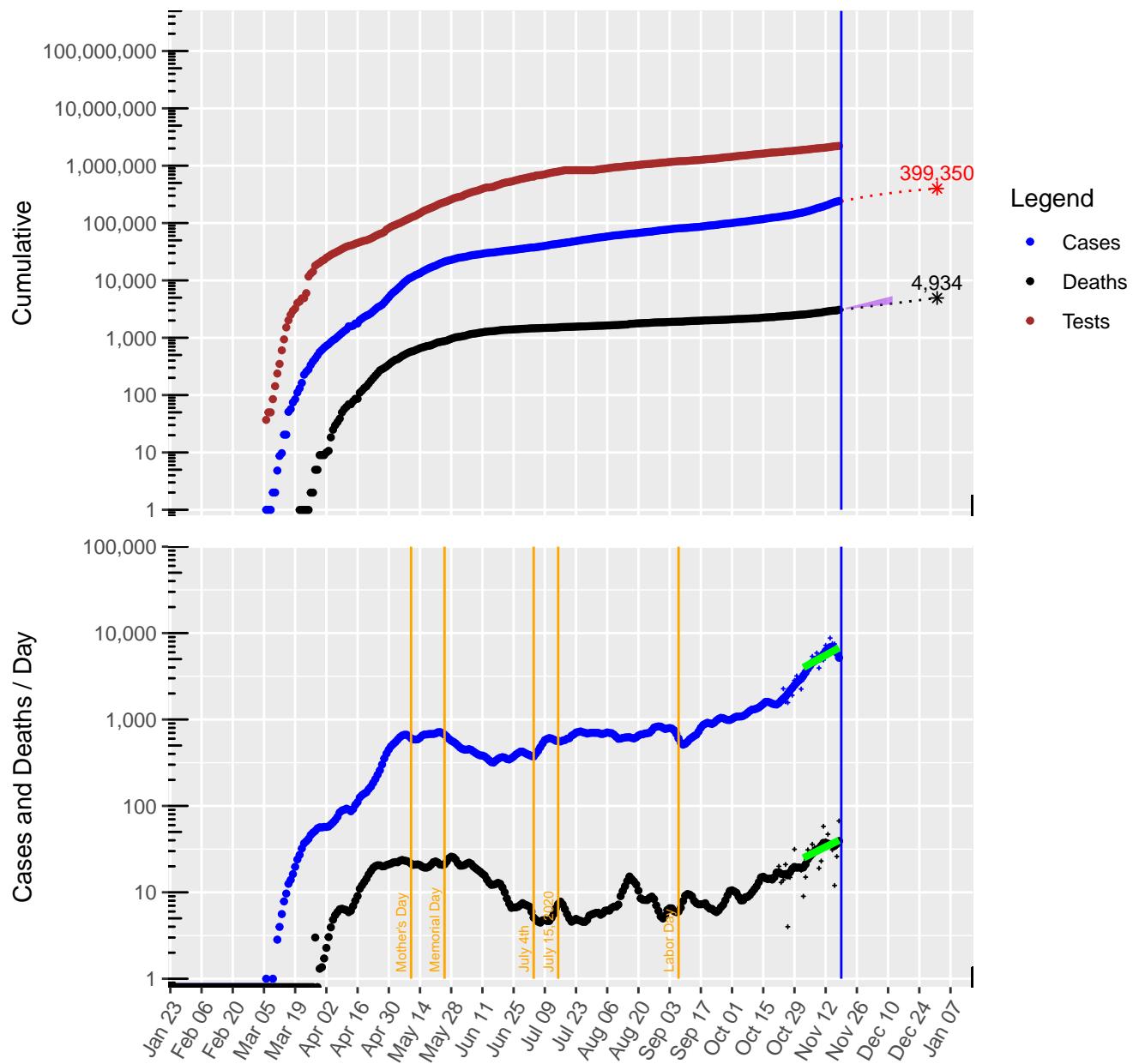


Deaths: 10,407 (47) --- Case Mortality: 5.3% --- Daily Change: +3.7% Cases, +2.8% Deaths (over 16 days)

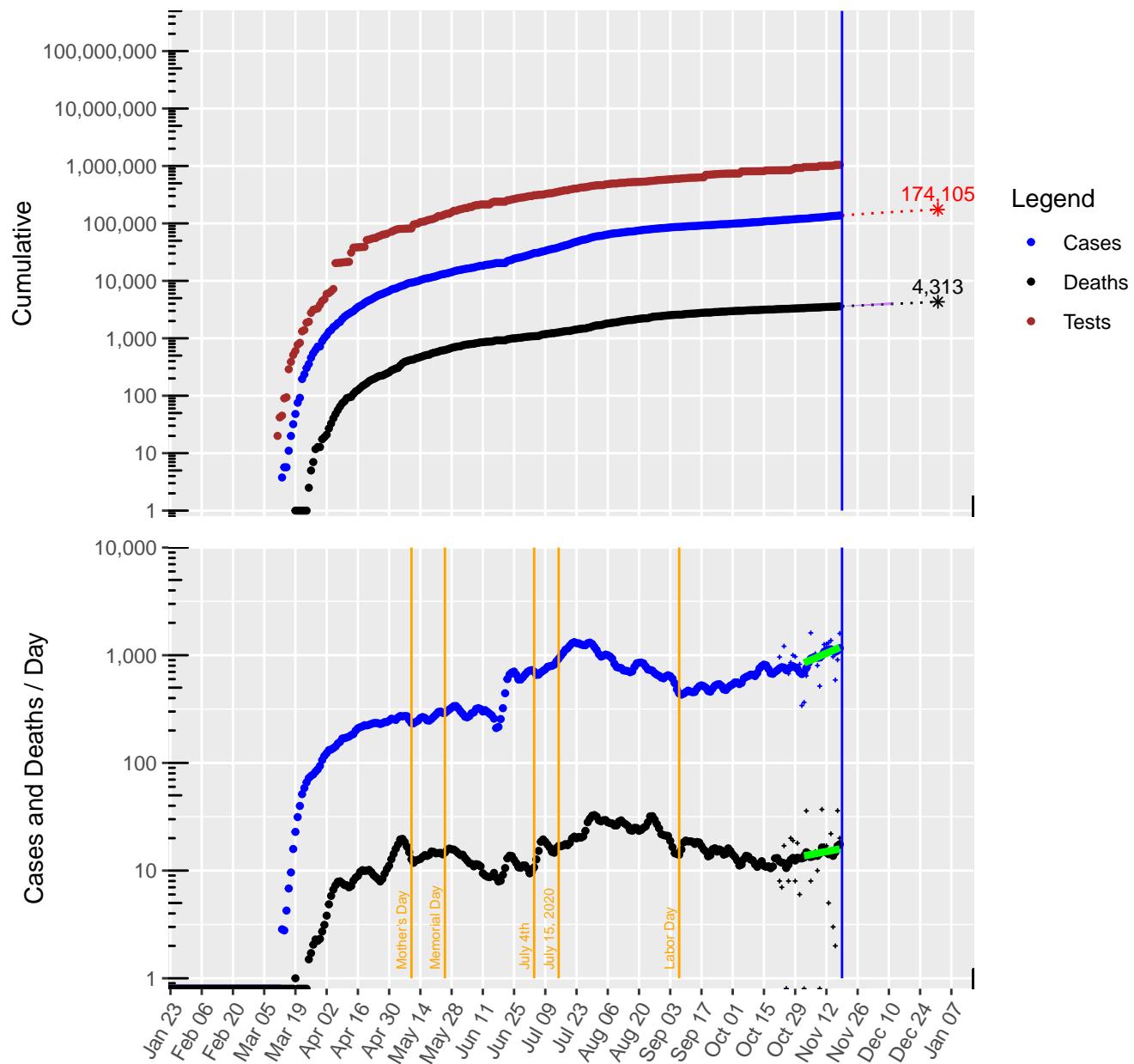
Michigan projection as of 2020-11-19



Minnesota projection as of 2020-11-19

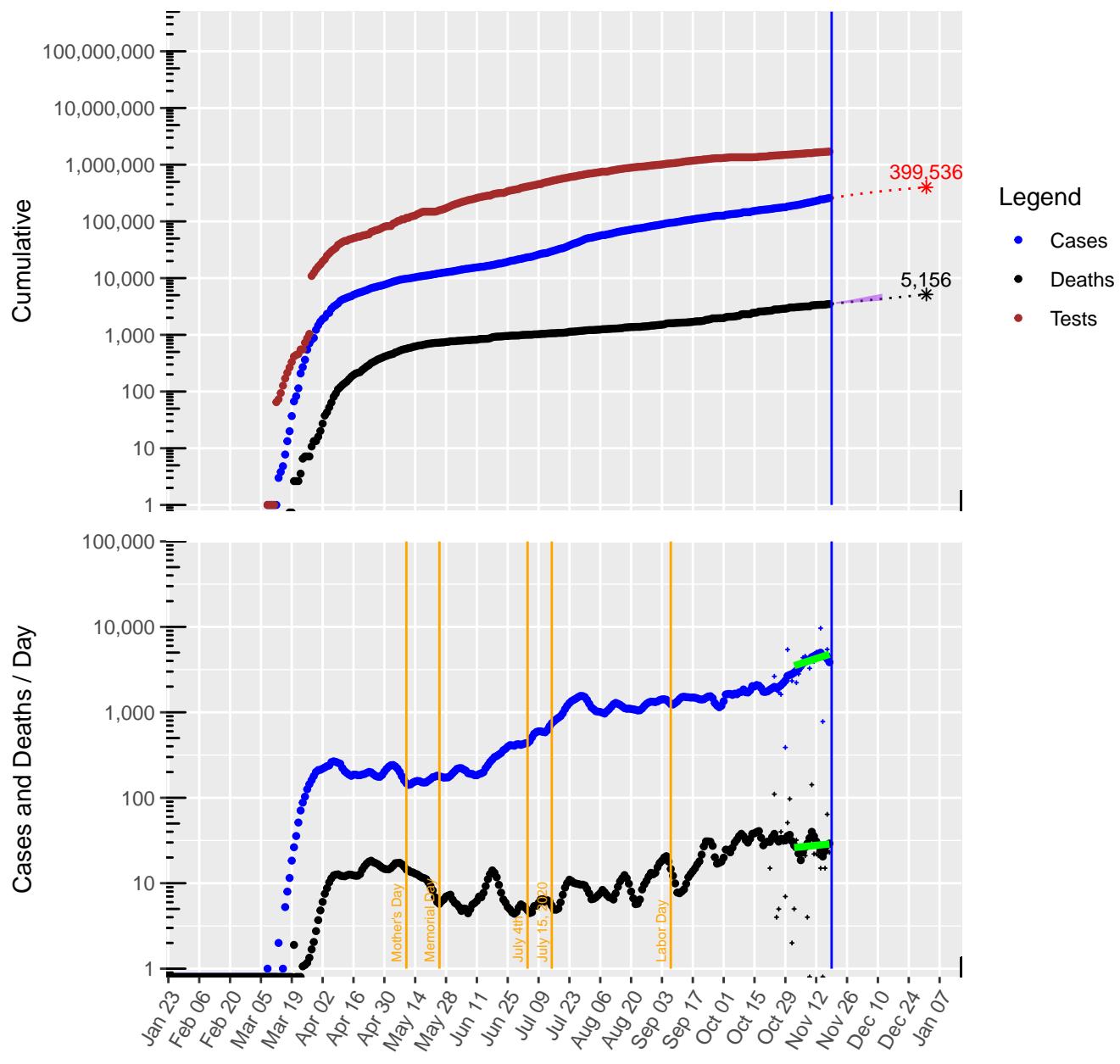


Mississippi projection as of 2020-11-19

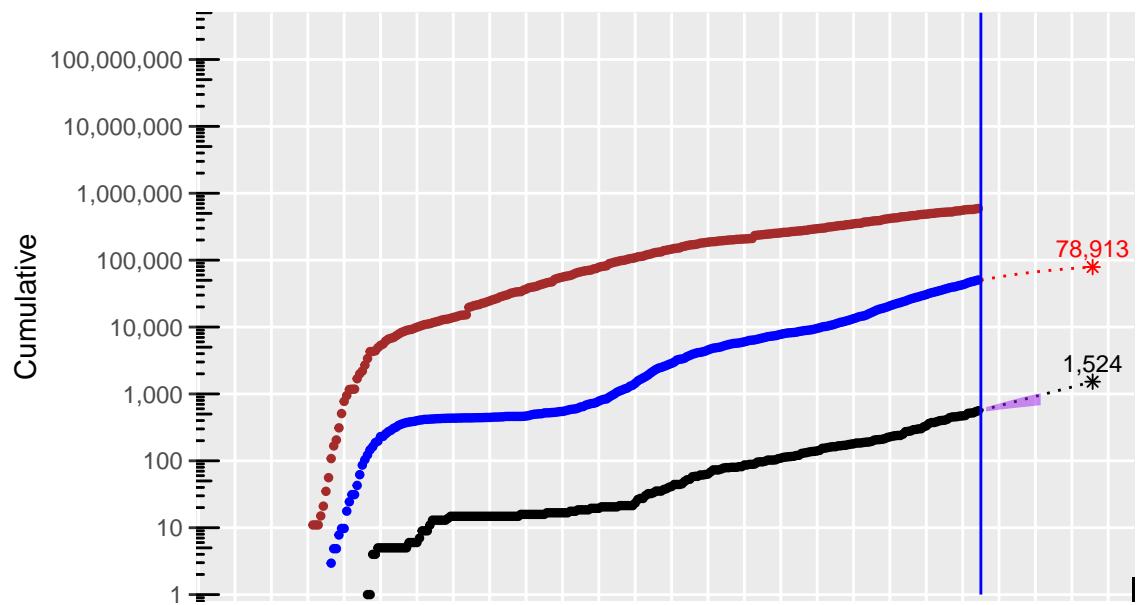


Deaths: 3,601 (20) — Case Mortality: 2.6% — Daily Change: +2.2% Cases, +1.0% Deaths (over 16 days)

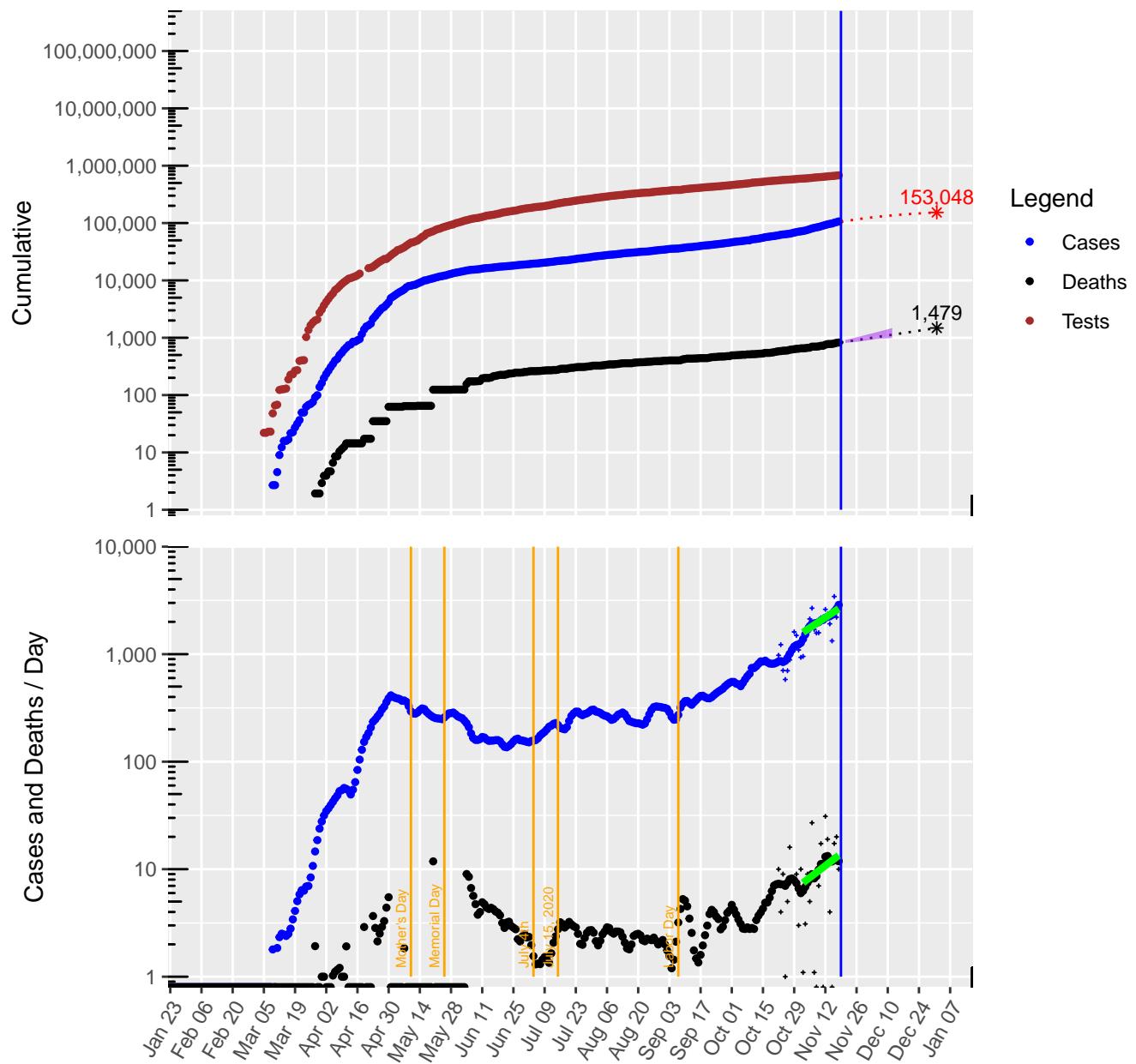
Missouri projection as of 2020-11-19



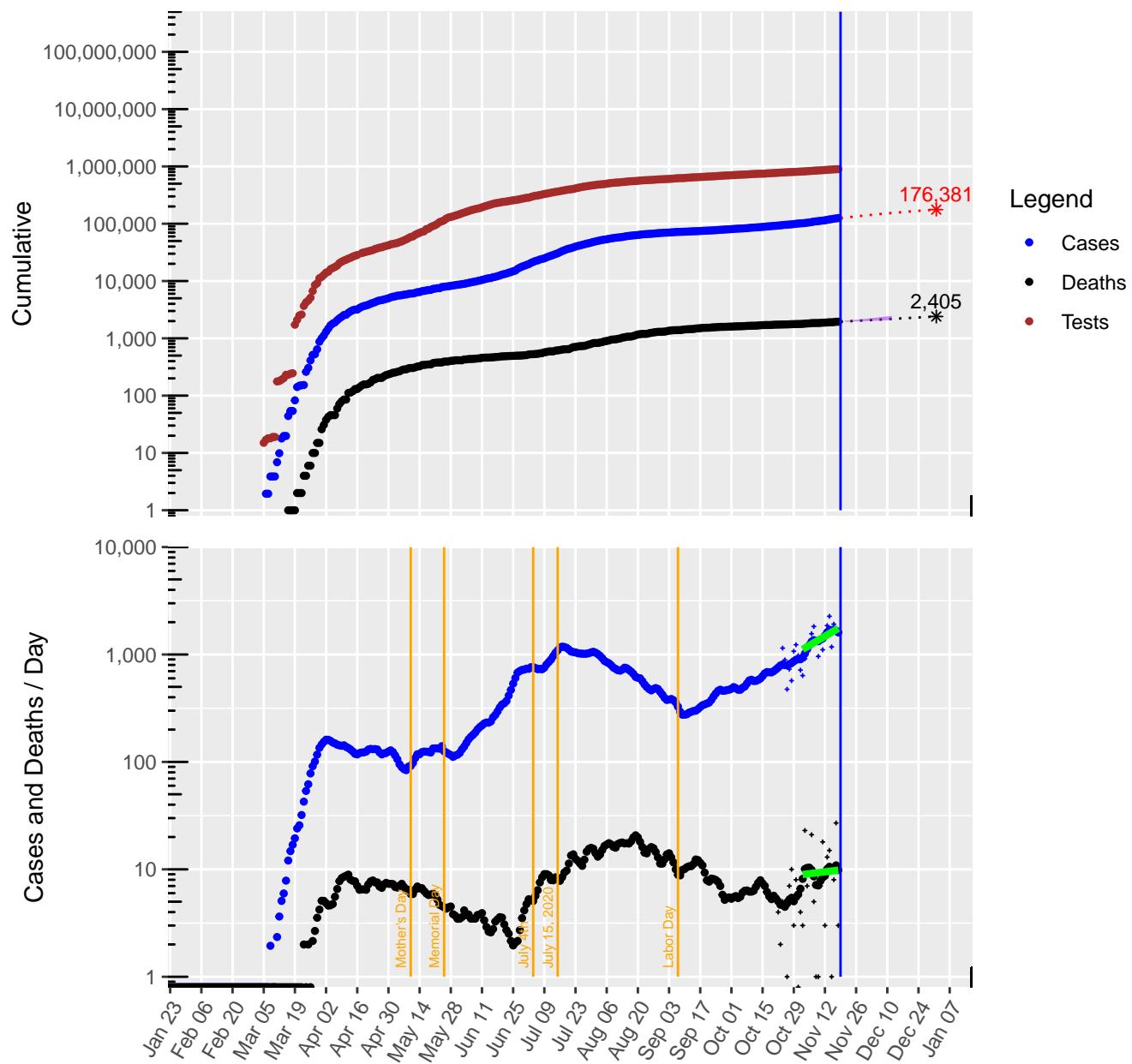
Montana projection as of 2020-11-19



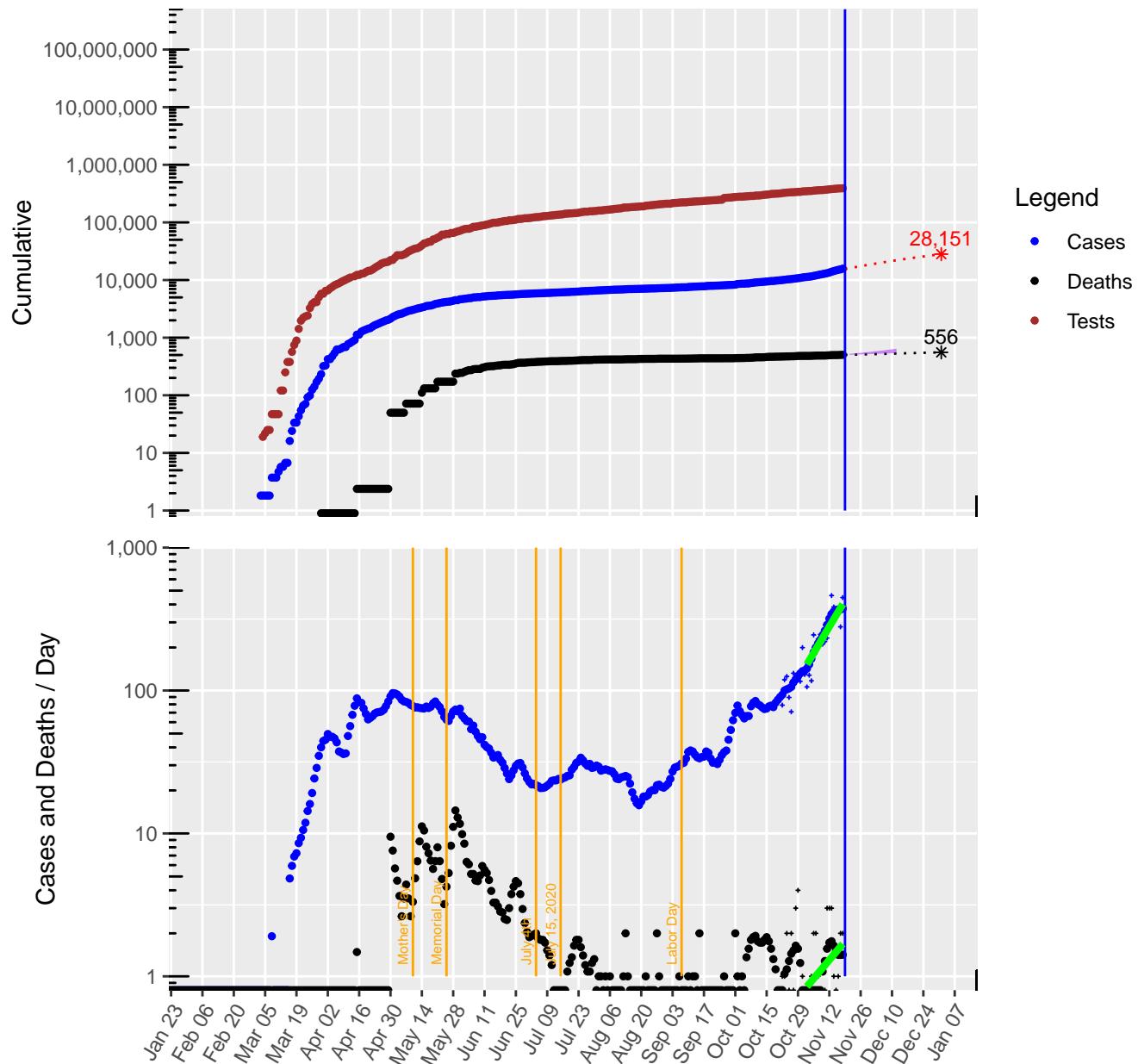
Nebraska projection as of 2020-11-19



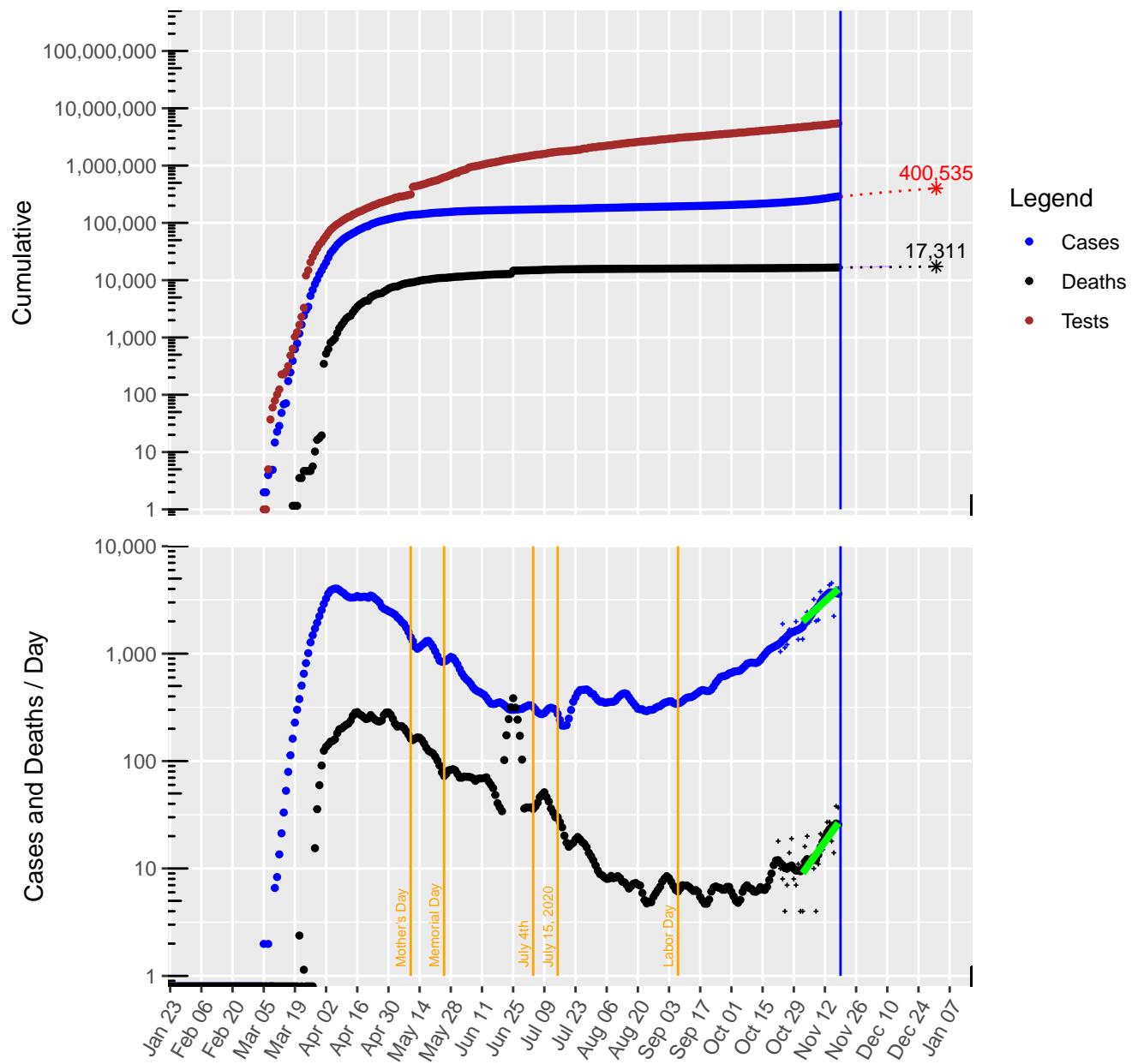
Nevada projection as of 2020-11-19



New Hampshire projection as of 2020-11-19

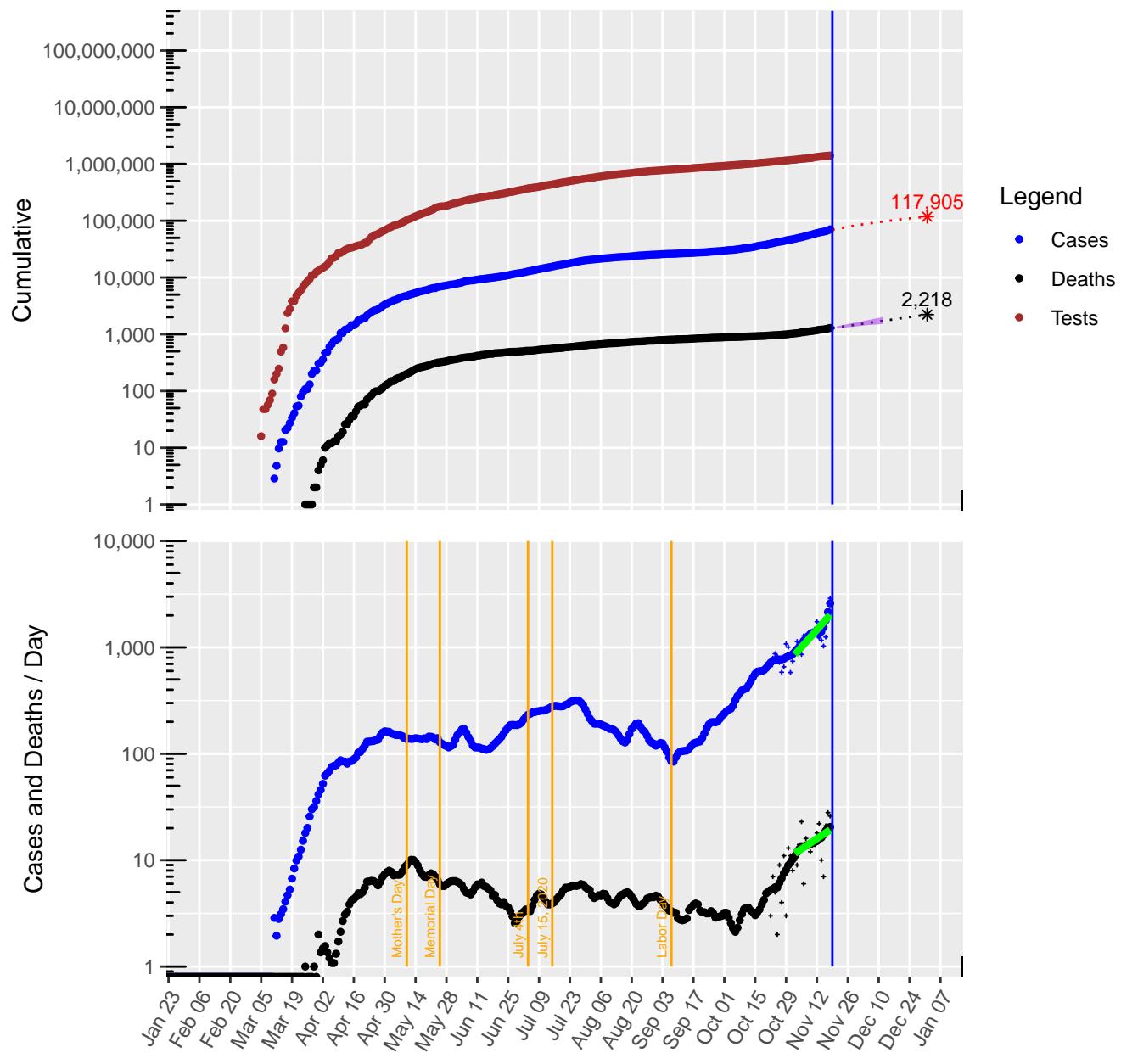


New Jersey projection as of 2020-11-19

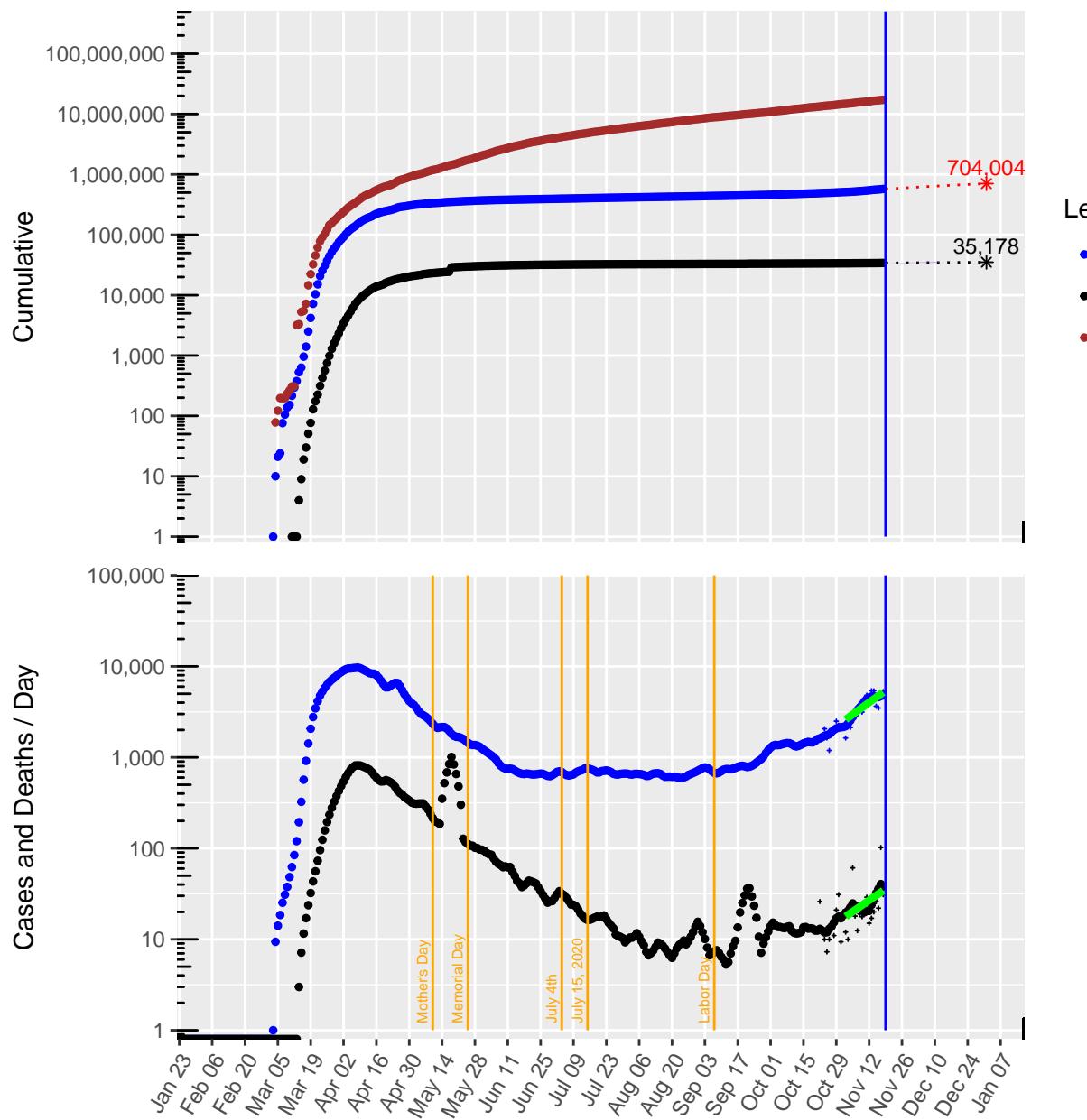


Deaths: 16,655 (37) --- Case Mortality: 5.8% --- Daily Change: +4.5% Cases, +6.6% Deaths (over 16 days)

New Mexico projection as of 2020-11-19

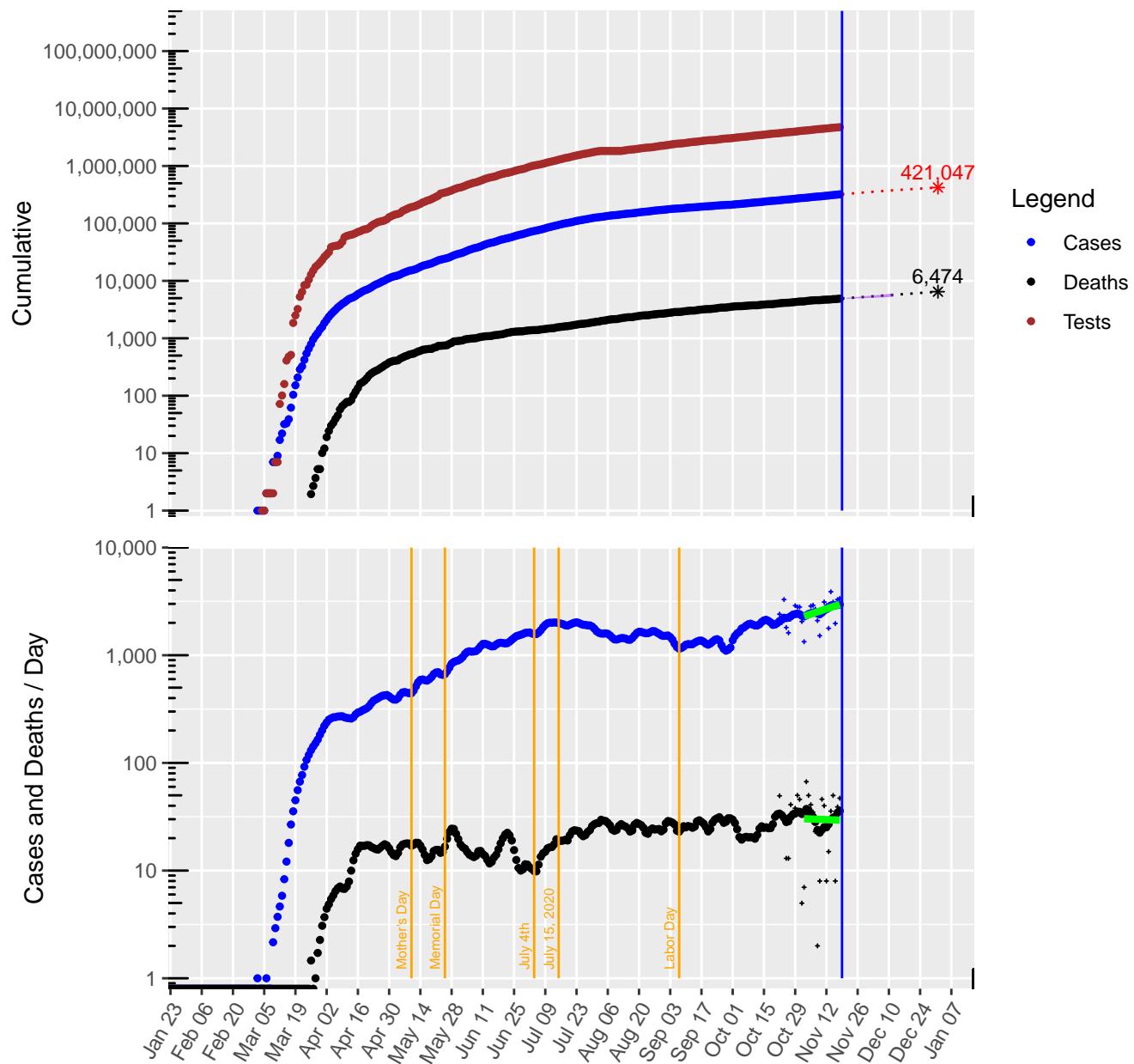


New York projection as of 2020-11-19



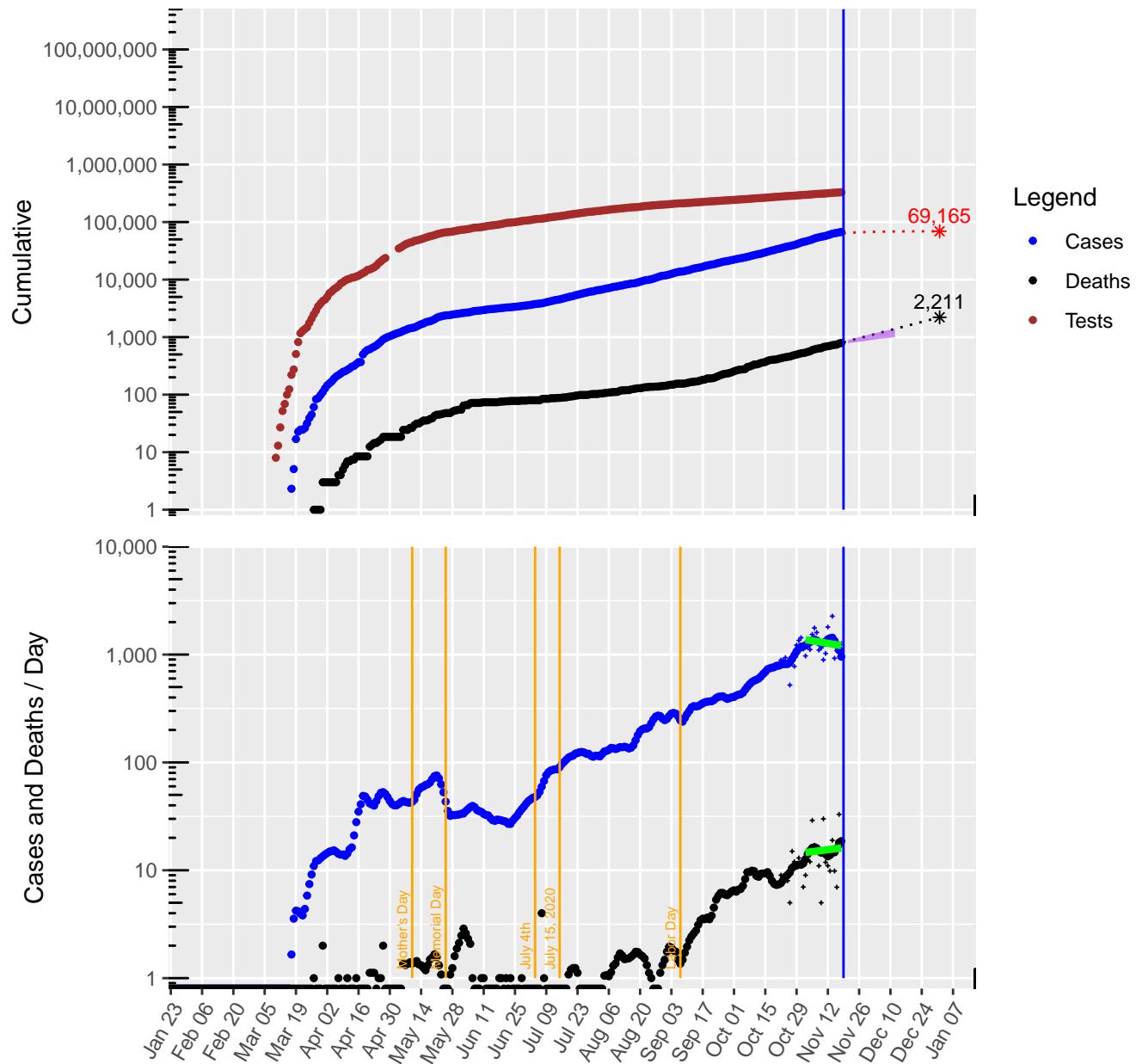
Deaths: 34,187 (31) --- Case Mortality: 6.0% --- Daily Change: +4.4% Cases, +4.2% Deaths (over 16 days)

North Carolina projection as of 2020-11-19

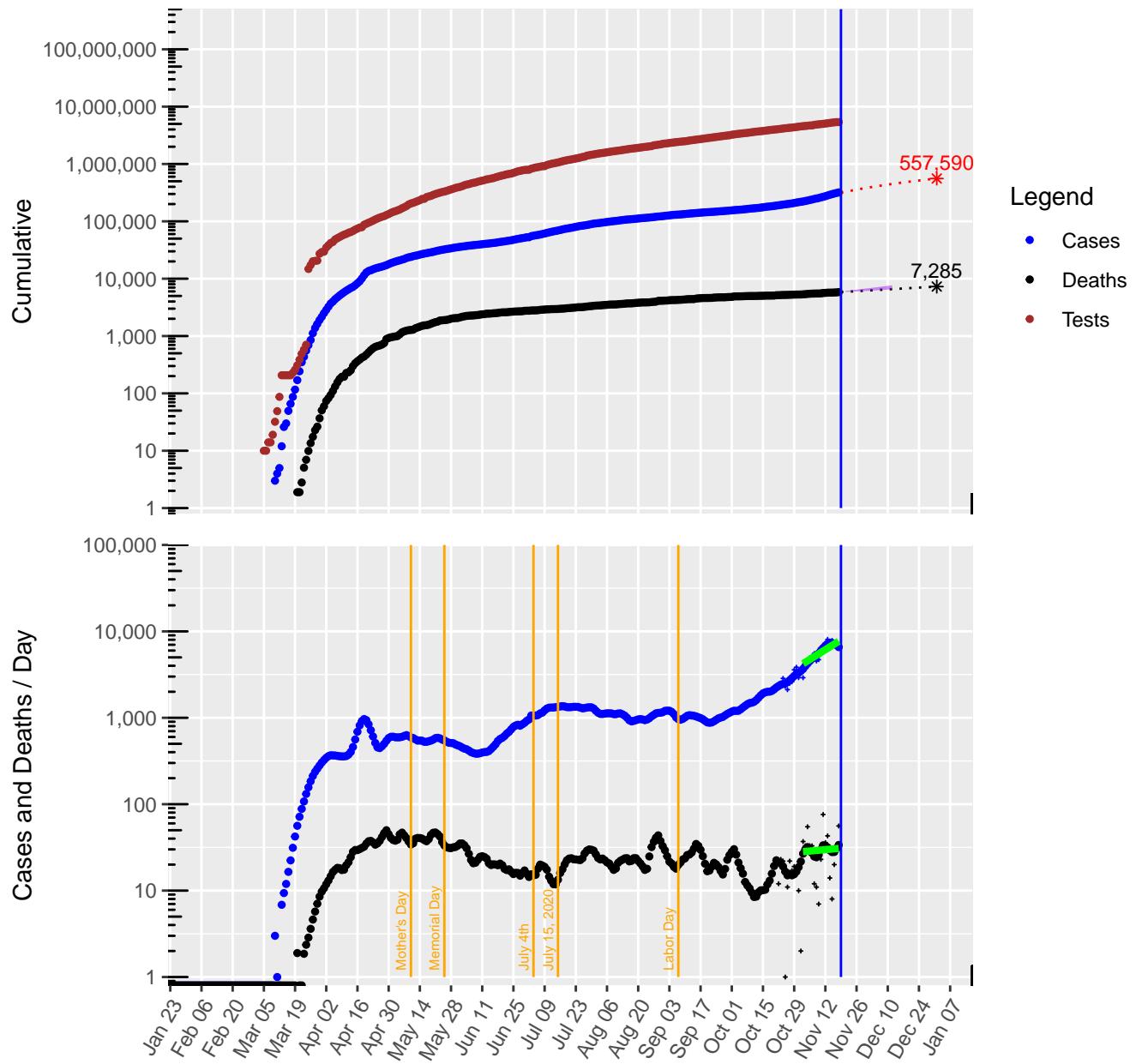


Deaths: 4,898 (47) — Case Mortality: 1.5% — Daily Change: +1.7% Cases, -0.2% Deaths (over 16 days)

North Dakota projection as of 2020-11-19

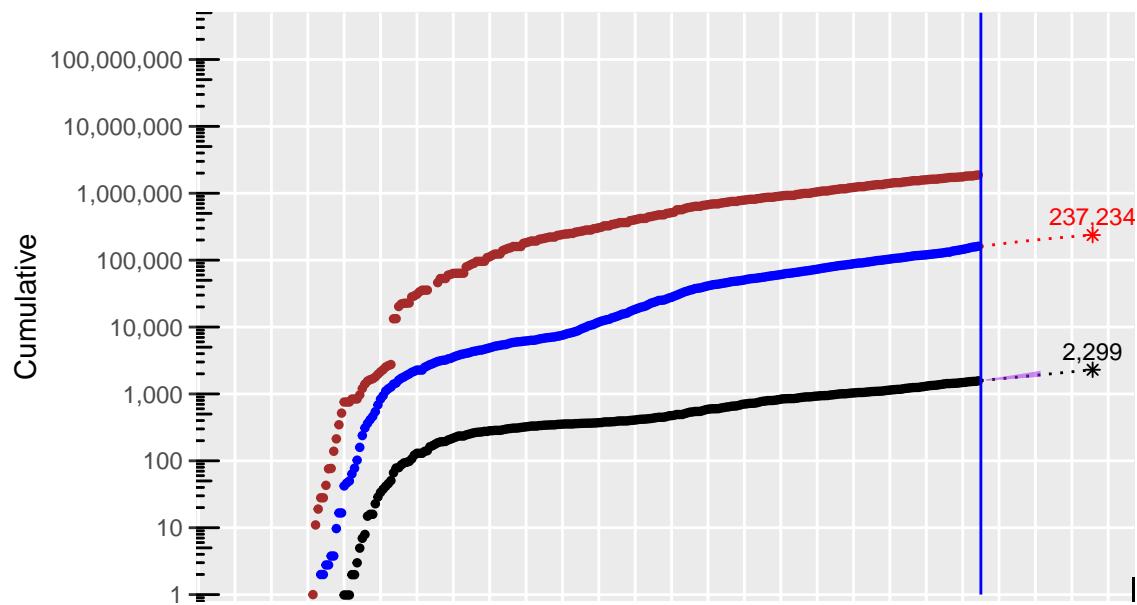


Ohio projection as of 2020-11-19



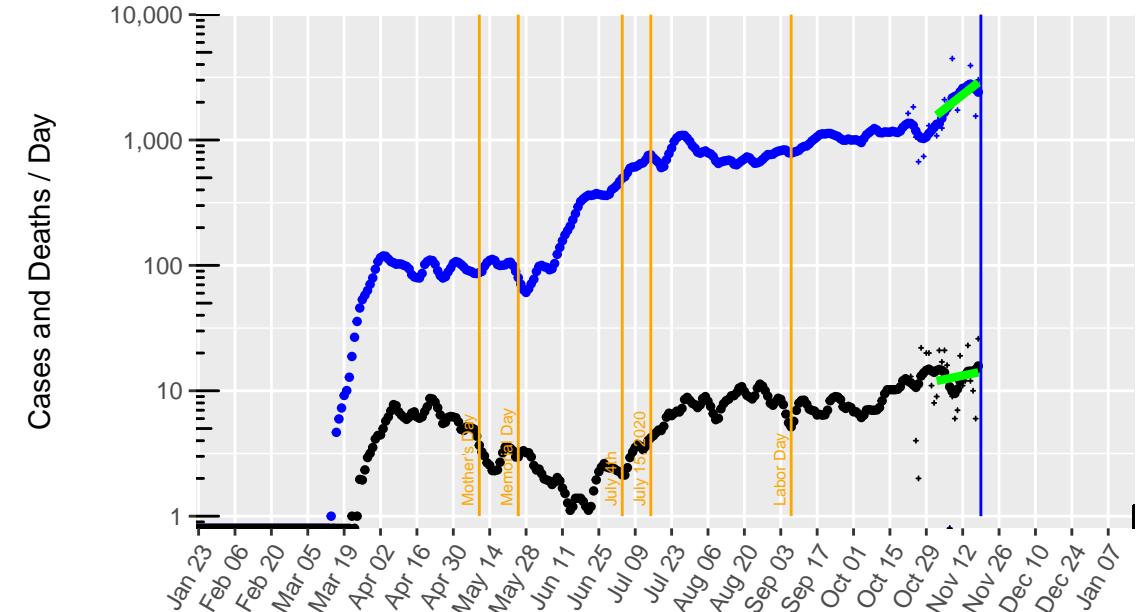
Deaths: 5,827 (56) --- Case Mortality: 1.8% --- Daily Change: +3.9% Cases, +0.6% Deaths (over 16 days)

Oklahoma projection as of 2020-11-19



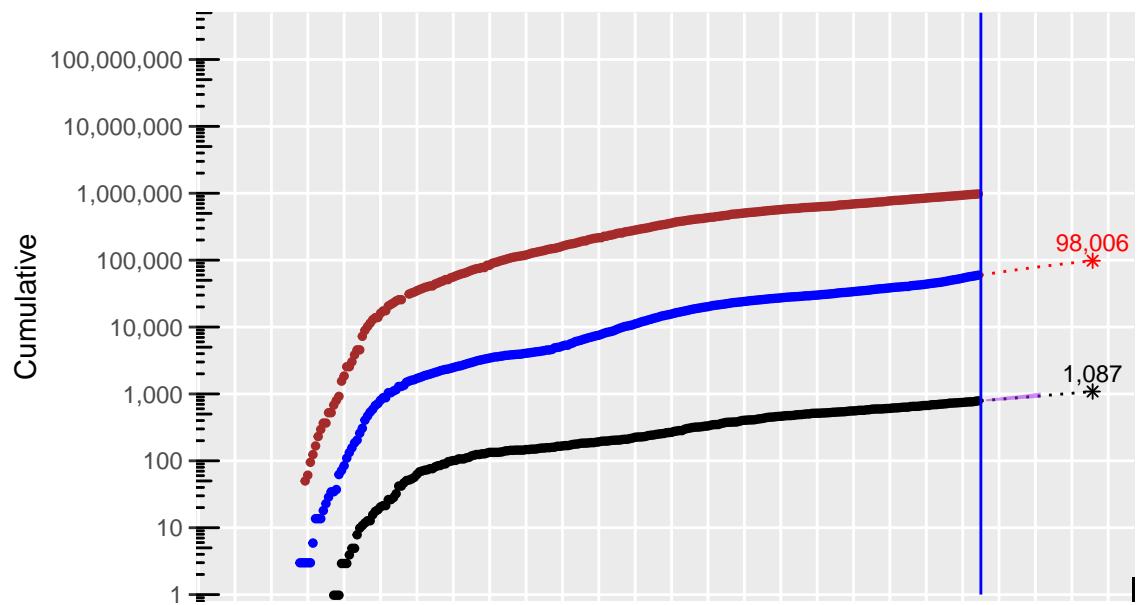
Legend

- Cases
- Deaths
- Tests



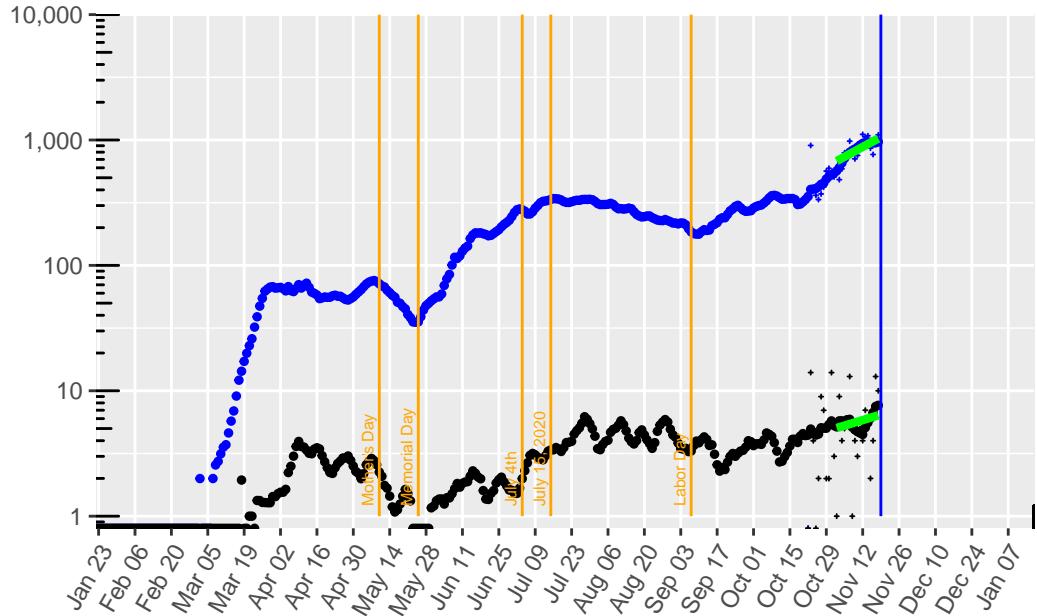
Deaths: 1,570 (26) — Case Mortality: 1.0% — Daily Change: +3.9% Cases, +1.0% Deaths (over 16 days)

Oregon projection as of 2020-11-19



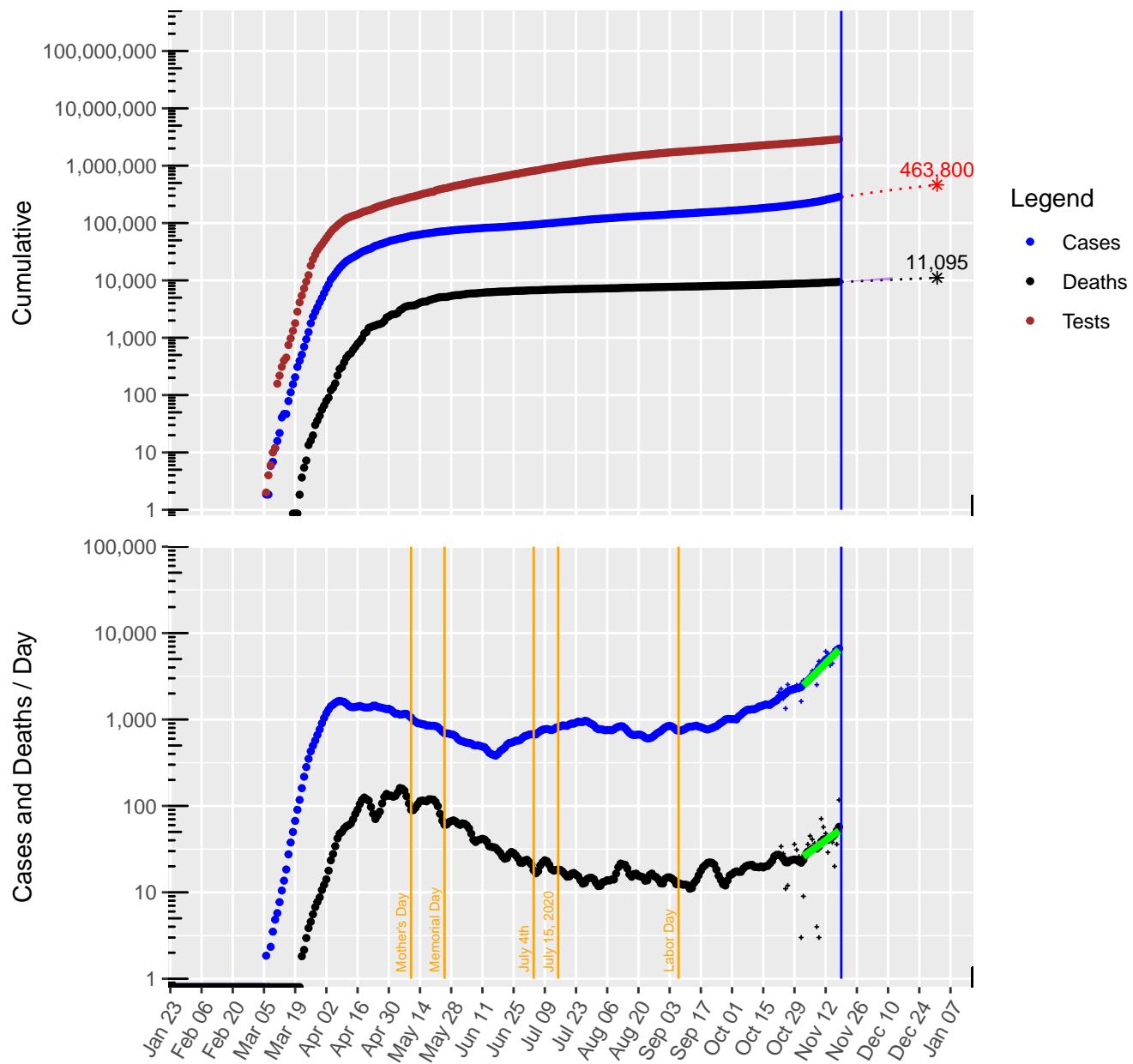
Legend

- Cases
- Deaths
- Tests

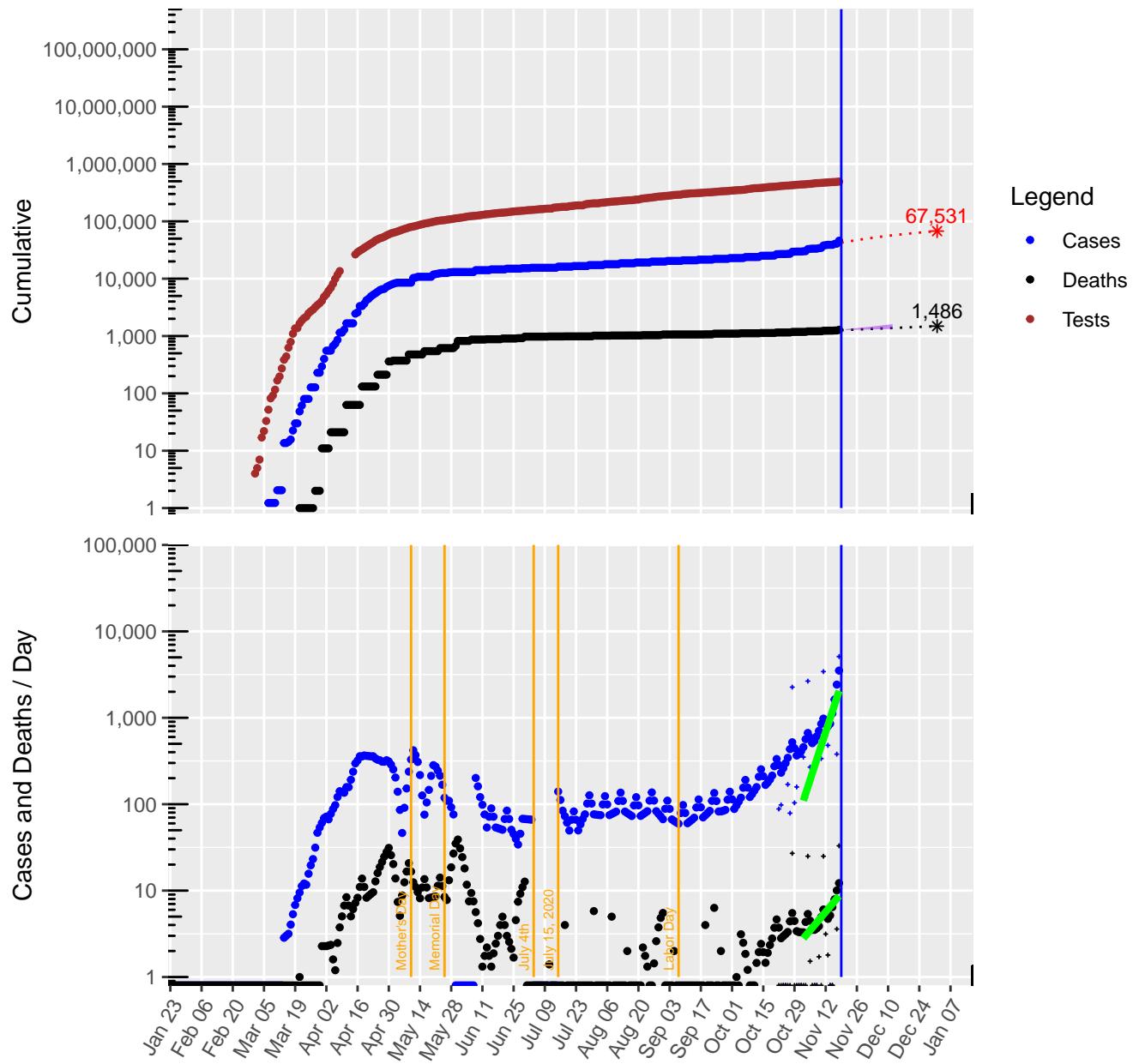


Deaths: 788 (10) — Case Mortality: 1.3% — Daily Change: +2.7% Cases, +1.5% Deaths (over 16 days)

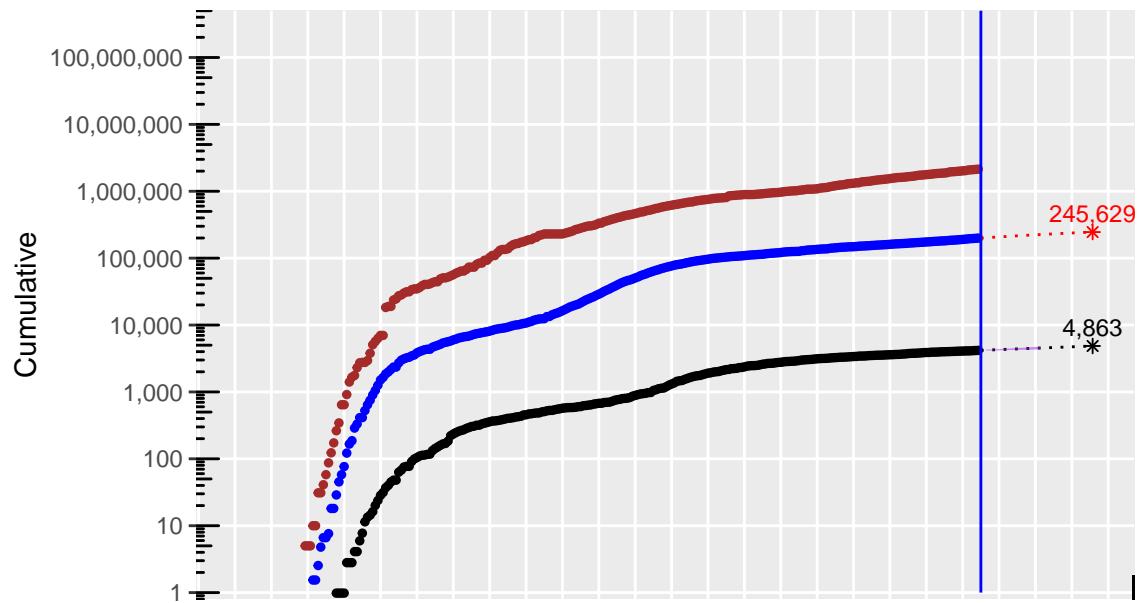
Pennsylvania projection as of 2020-11-19



Rhode Island projection as of 2020-11-19

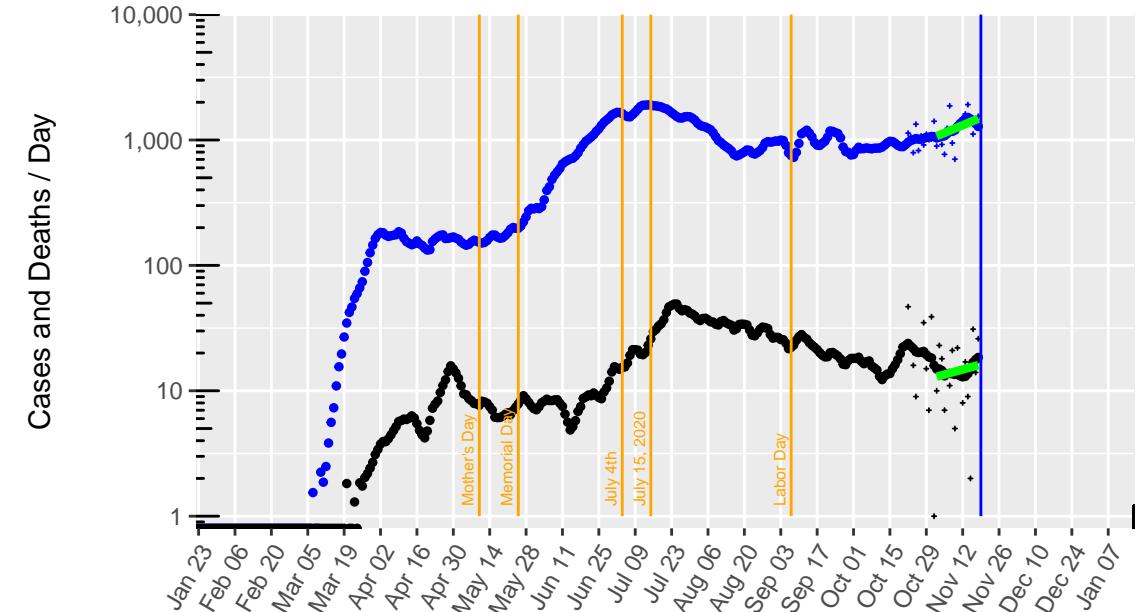


South Carolina projection as of 2020-11-19



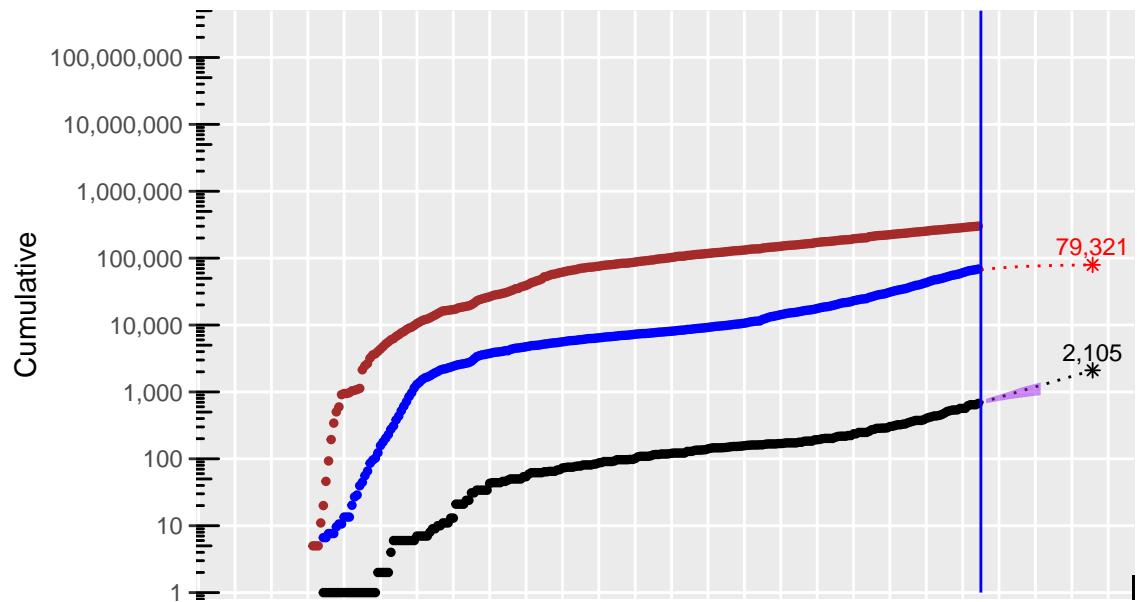
Legend

- Cases
- Deaths
- Tests



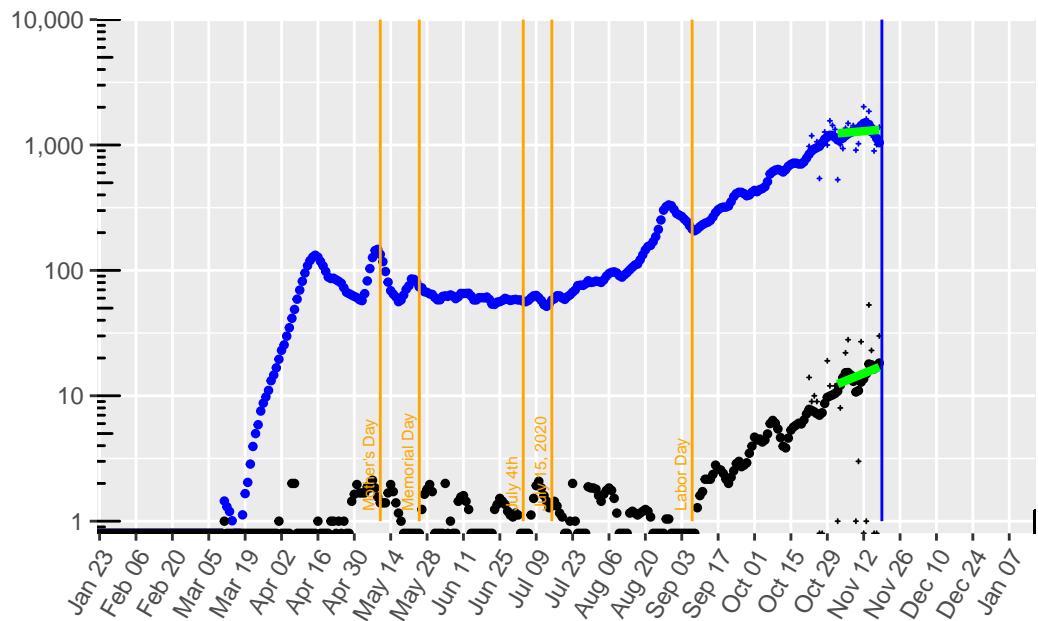
Deaths: 4,182 (26) — Case Mortality: 2.1% — Daily Change: +2.1% Cases, +1.4% Deaths (over 16 days)

South Dakota projection as of 2020-11-19



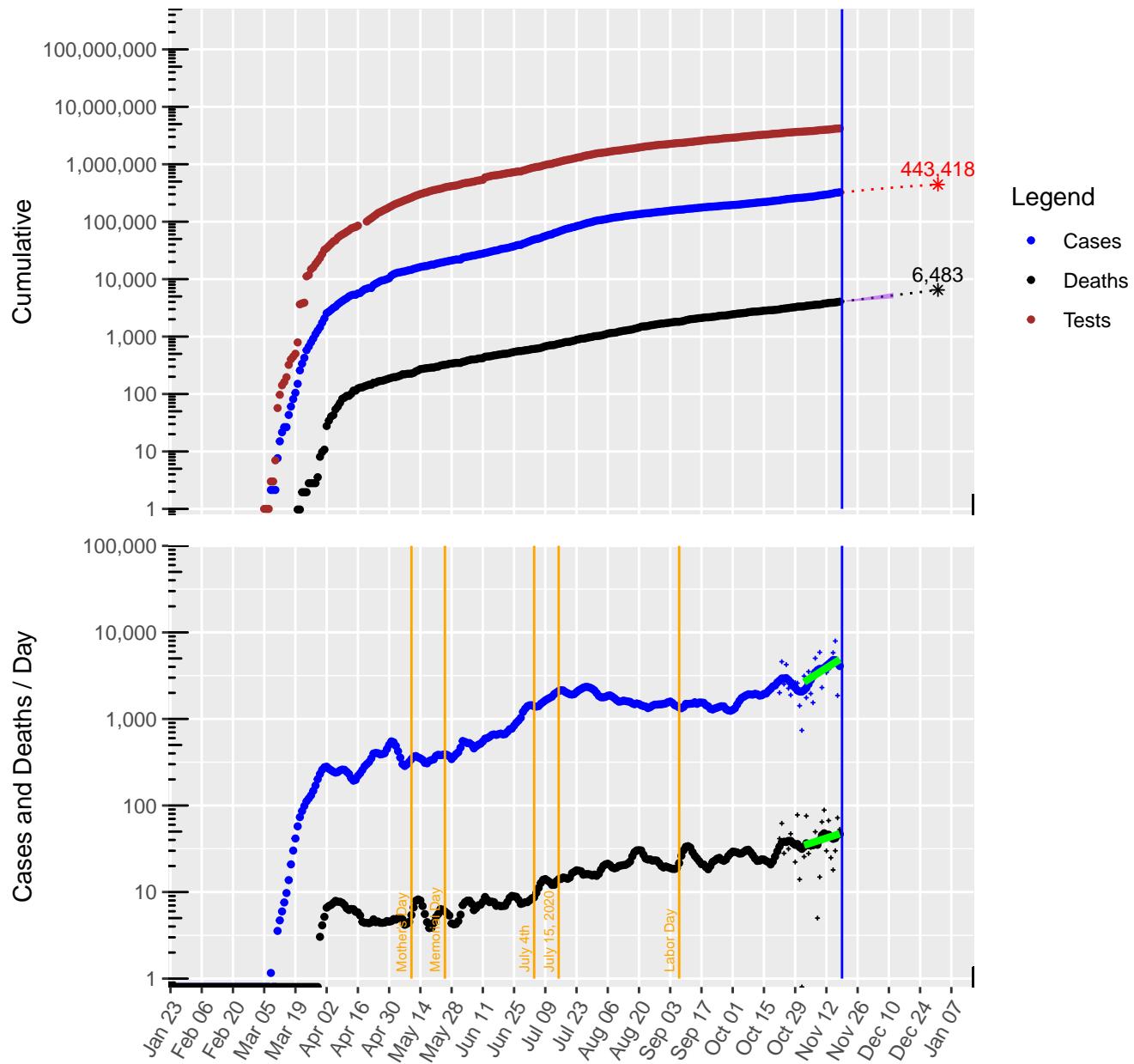
Legend

- Cases
- Deaths
- Tests

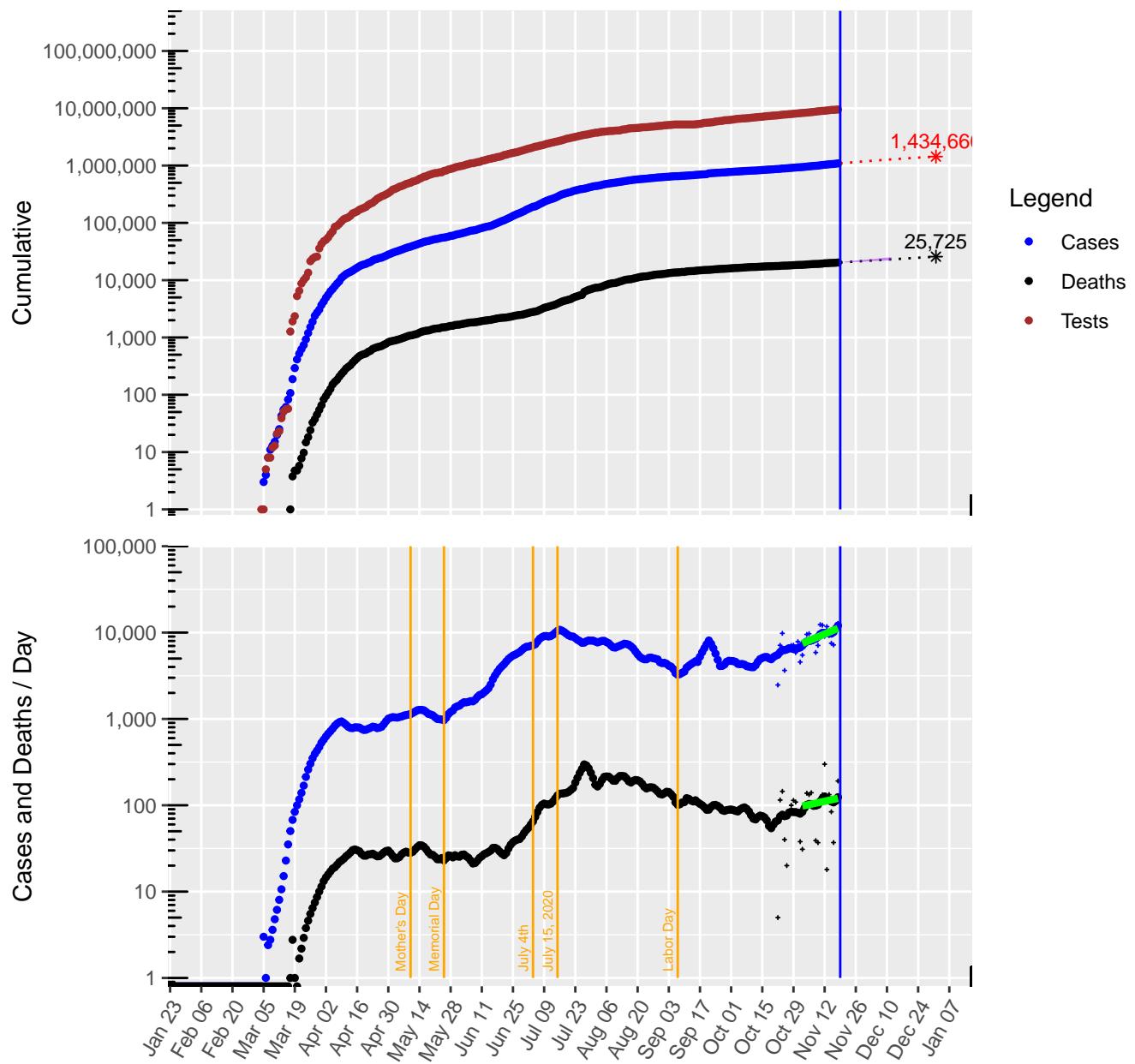


Deaths: 674 (30) — Case Mortality: 1.0% — Daily Change: +0.4% Cases, +2.1% Deaths (over 16 days)

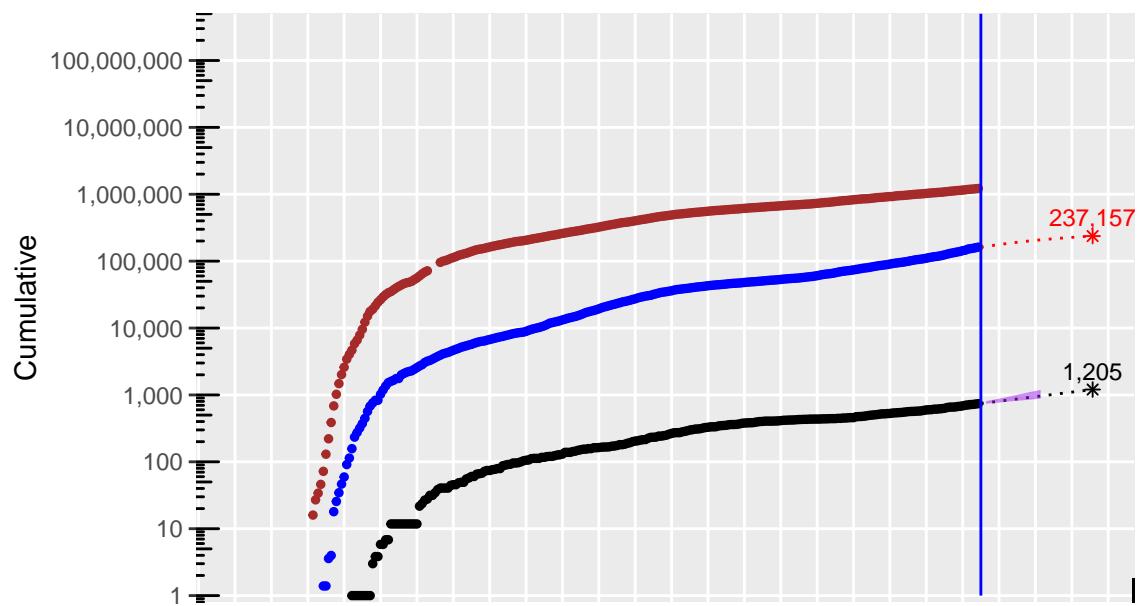
Tennessee projection as of 2020-11-19



Texas projection as of 2020-11-19

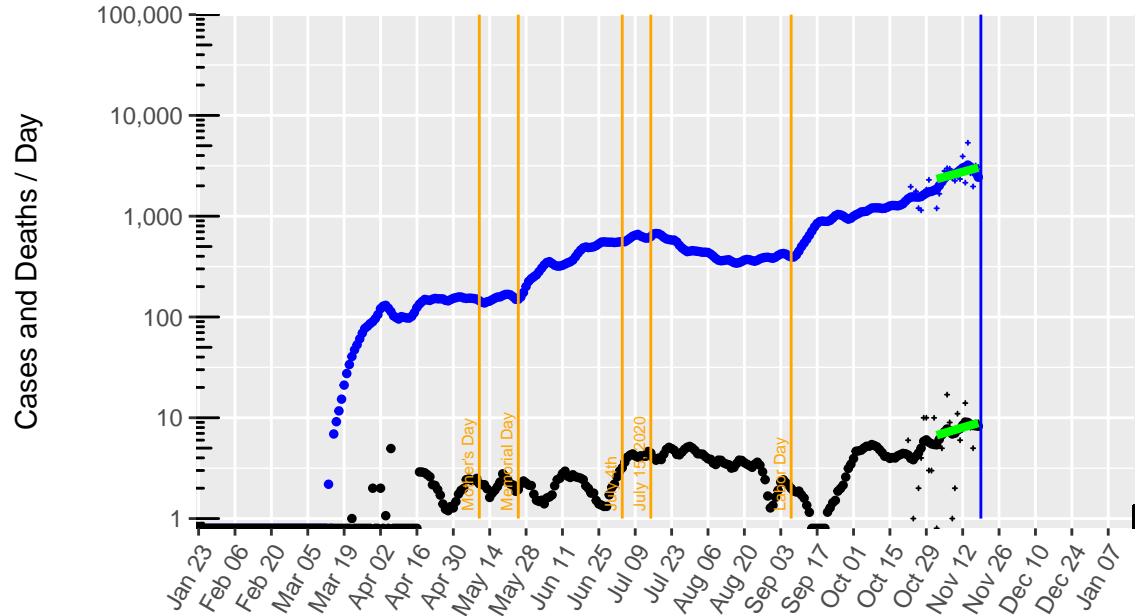


Utah projection as of 2020-11-19



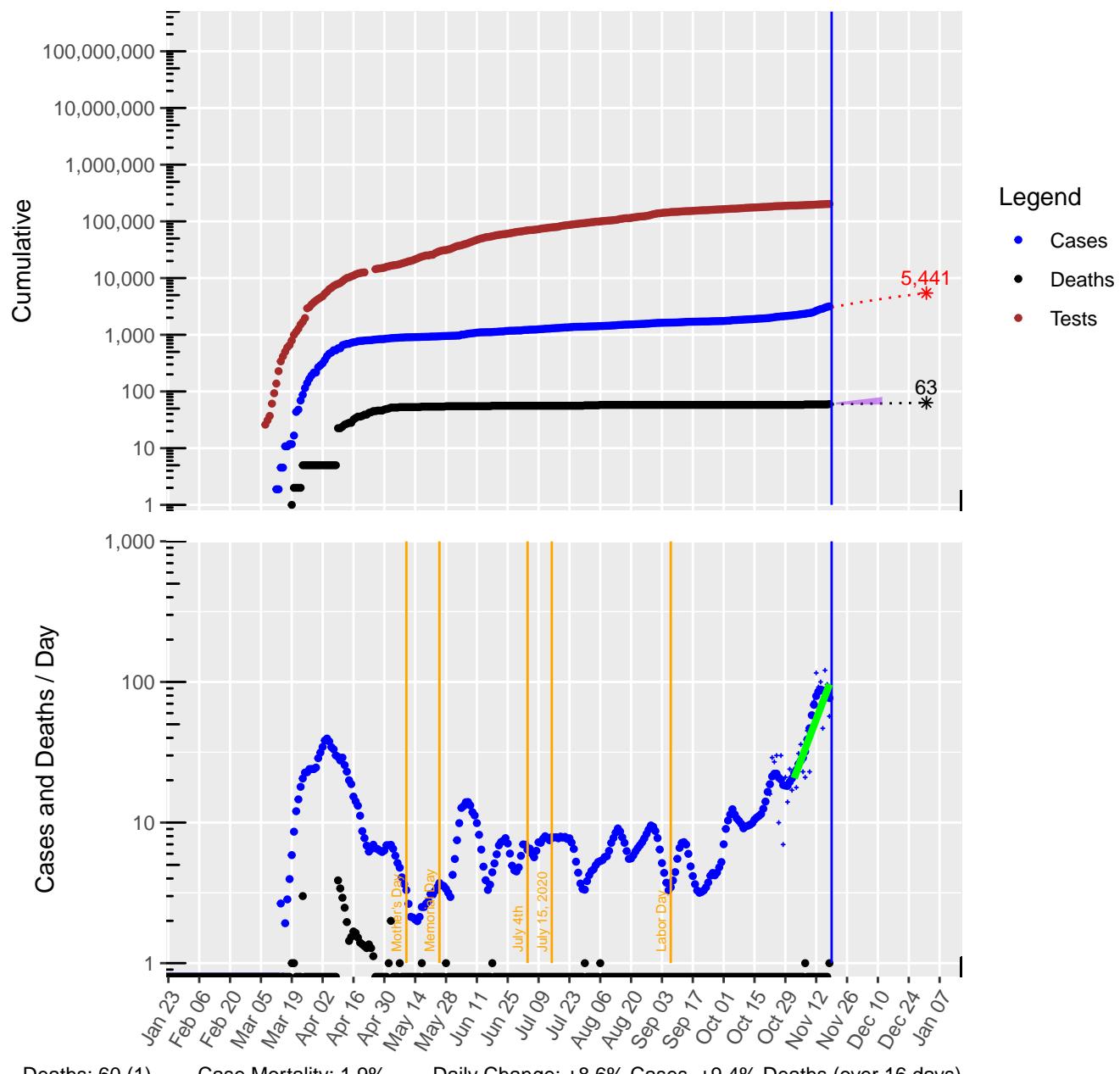
Legend

- Cases
- Deaths
- Tests

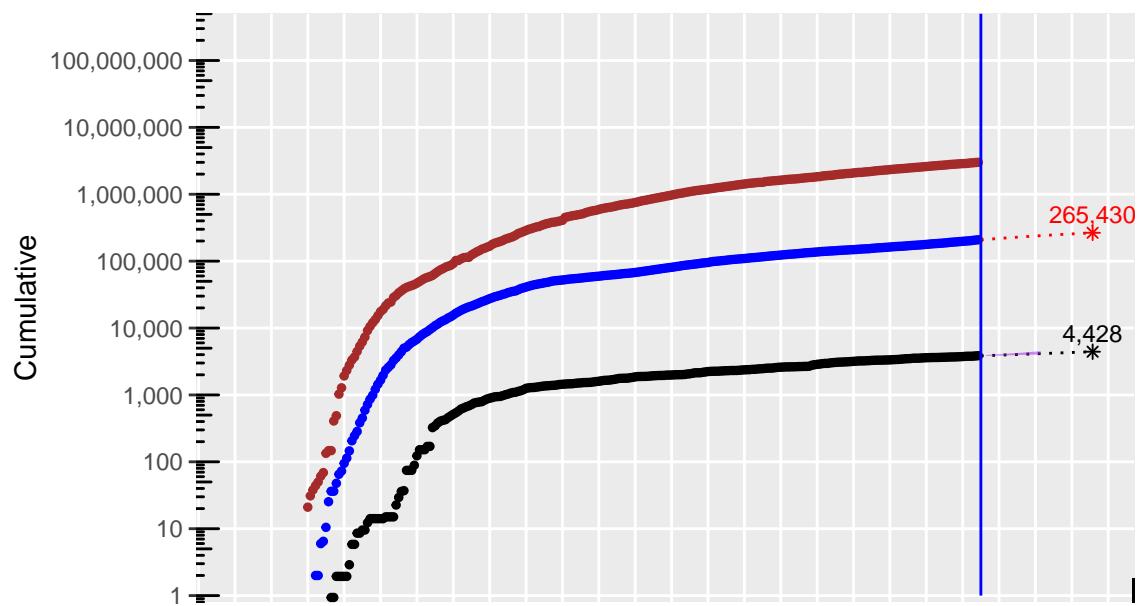


Deaths: 740 (9) — Case Mortality: 0.5% — Daily Change: +1.7% Cases, +1.8% Deaths (over 16 days)

Vermont projection as of 2020-11-19

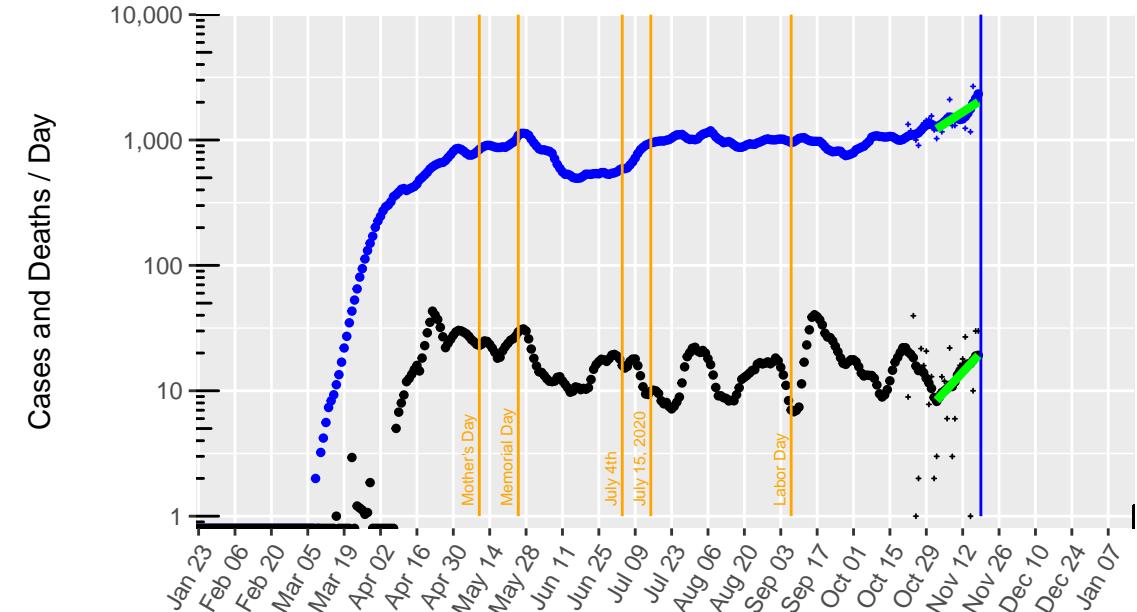


Virginia projection as of 2020-11-19



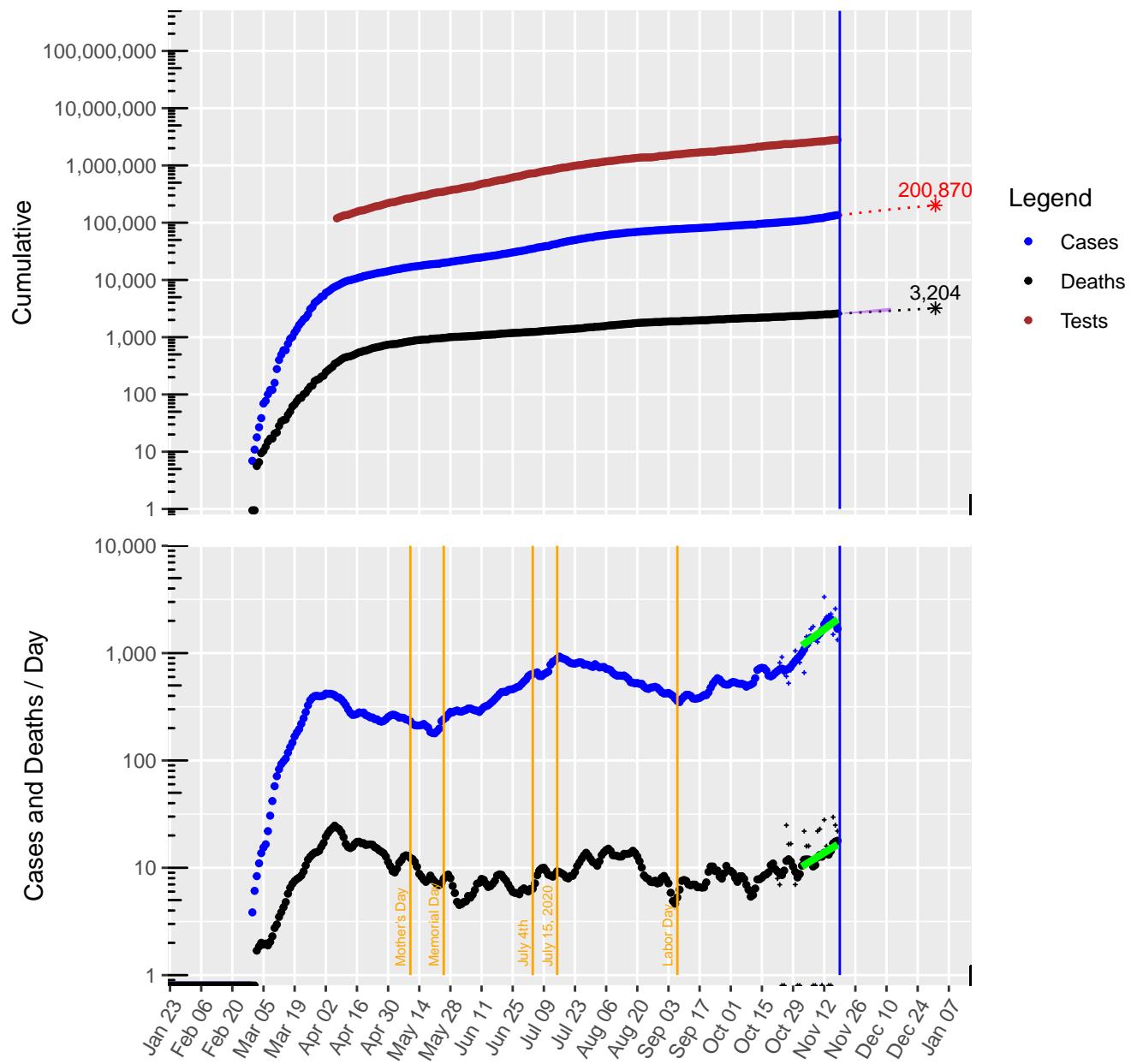
Legend

- Cases
- Deaths
- Tests

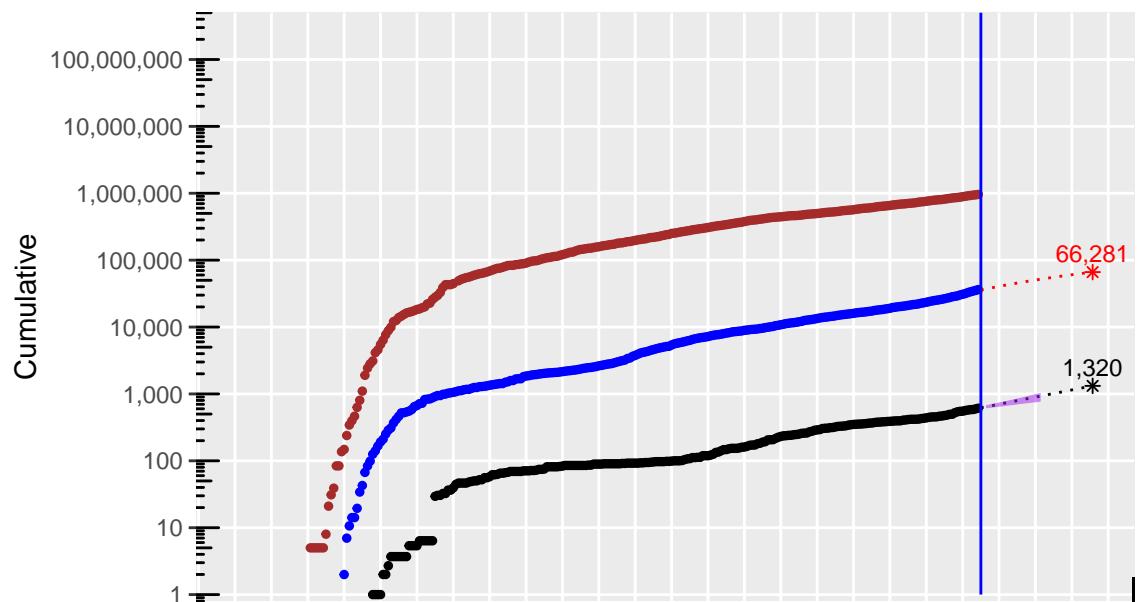


Deaths: 3,860 (30) — Case Mortality: 1.8% — Daily Change: +3.2% Cases, +5.2% Deaths (over 16 days)

Washington projection as of 2020-11-19

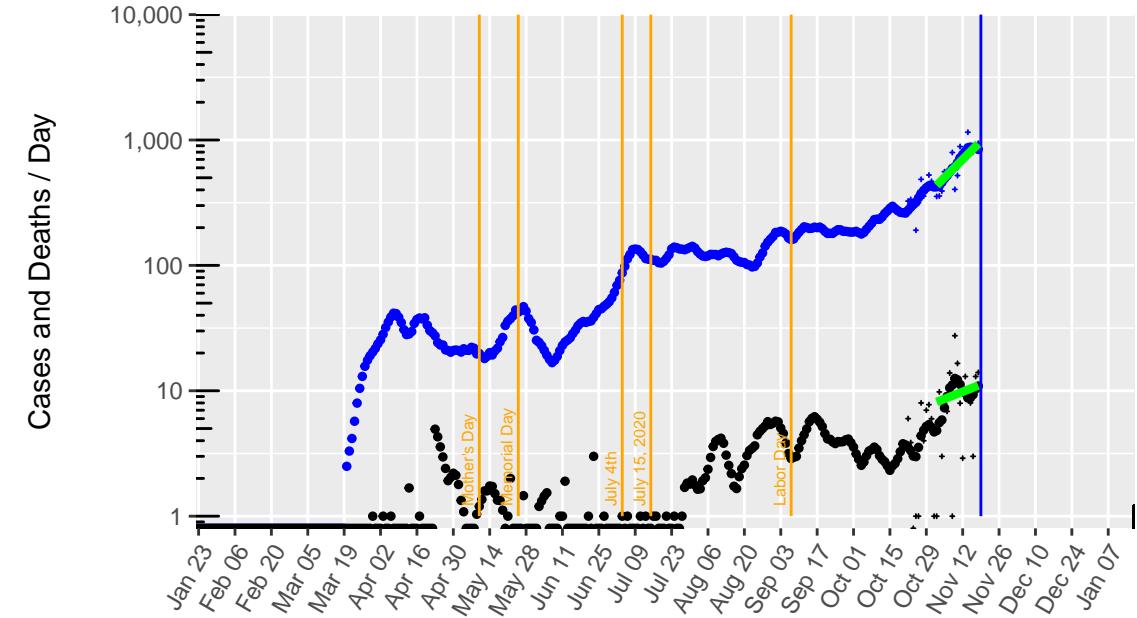


West Virginia projection as of 2020-11-19



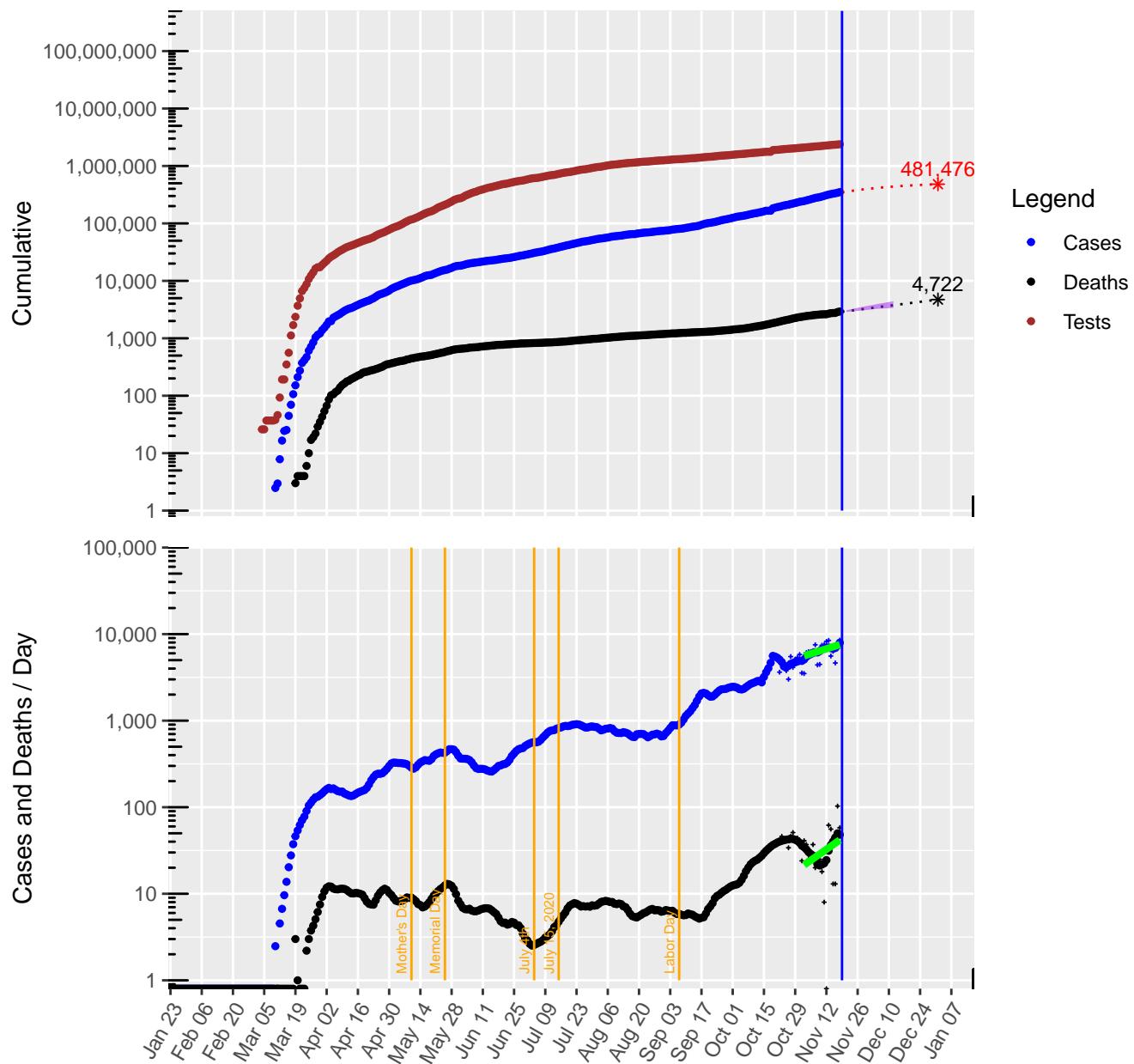
Legend

- Cases
- Deaths
- Tests

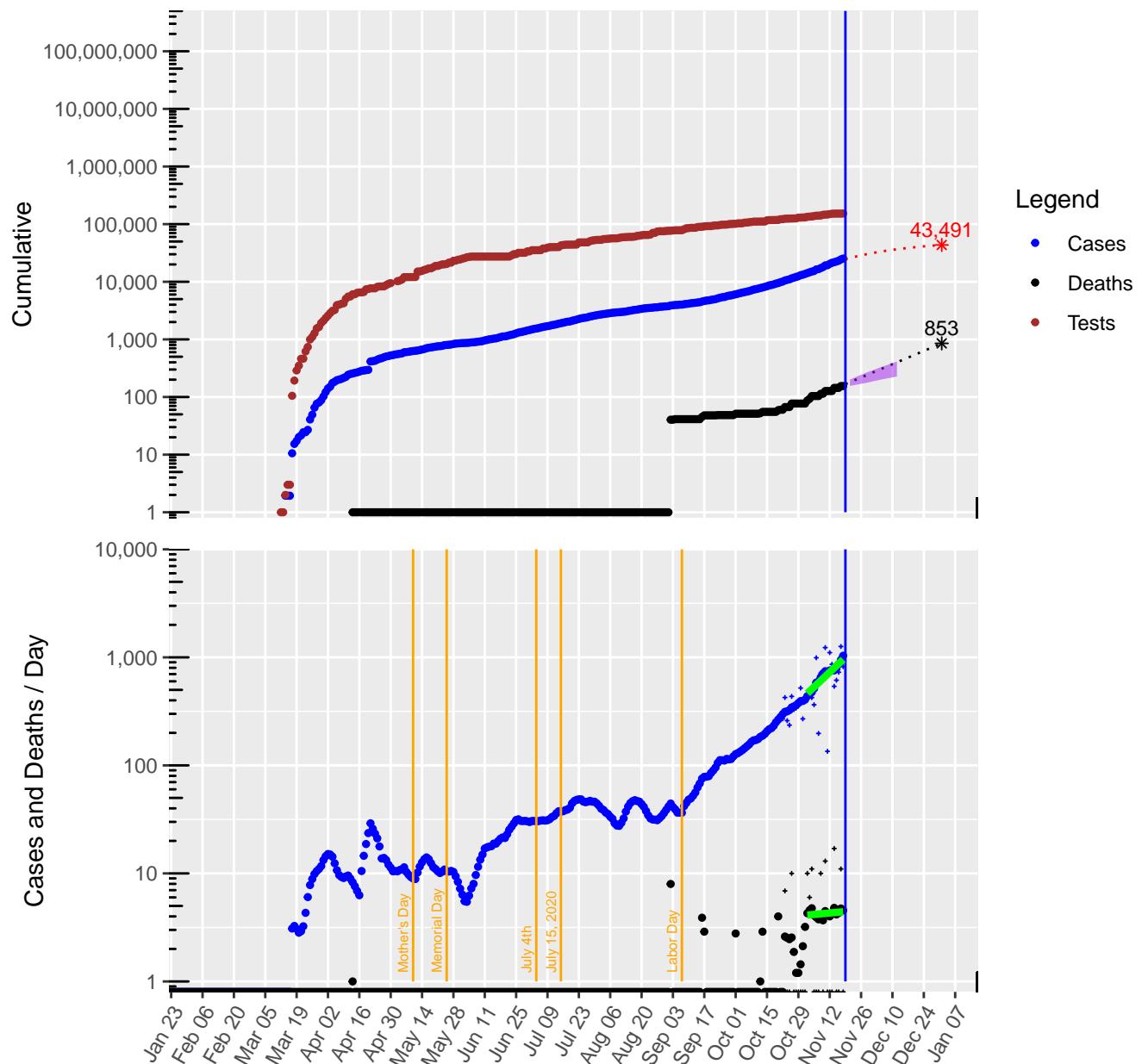


Deaths: 612 (14) — Case Mortality: 1.7% — Daily Change: +4.9% Cases, +2.0% Deaths (over 16 days)

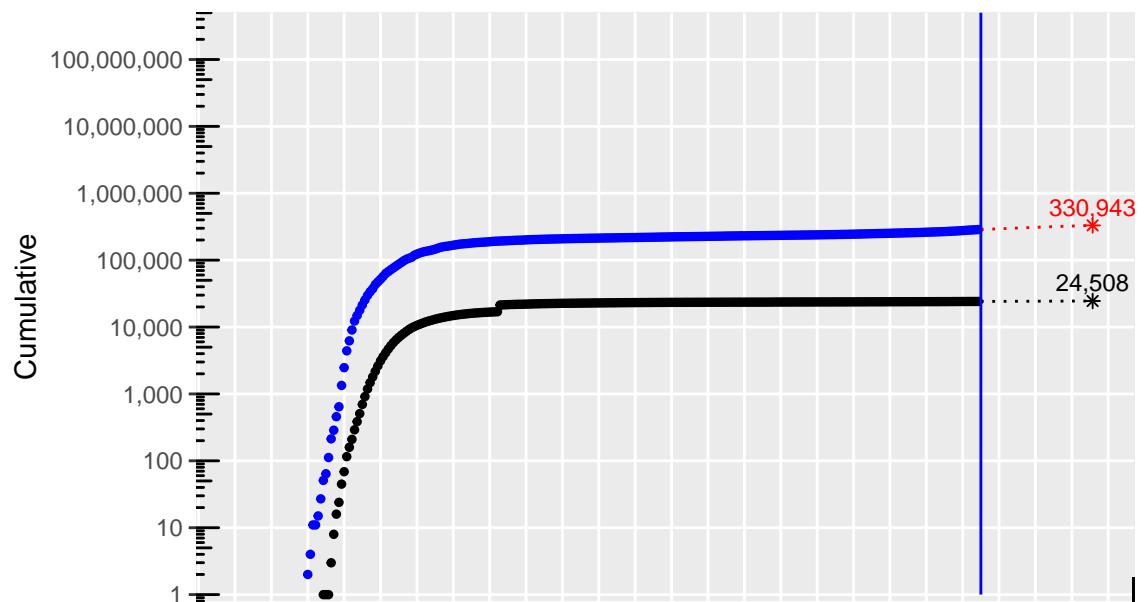
Wisconsin projection as of 2020-11-19



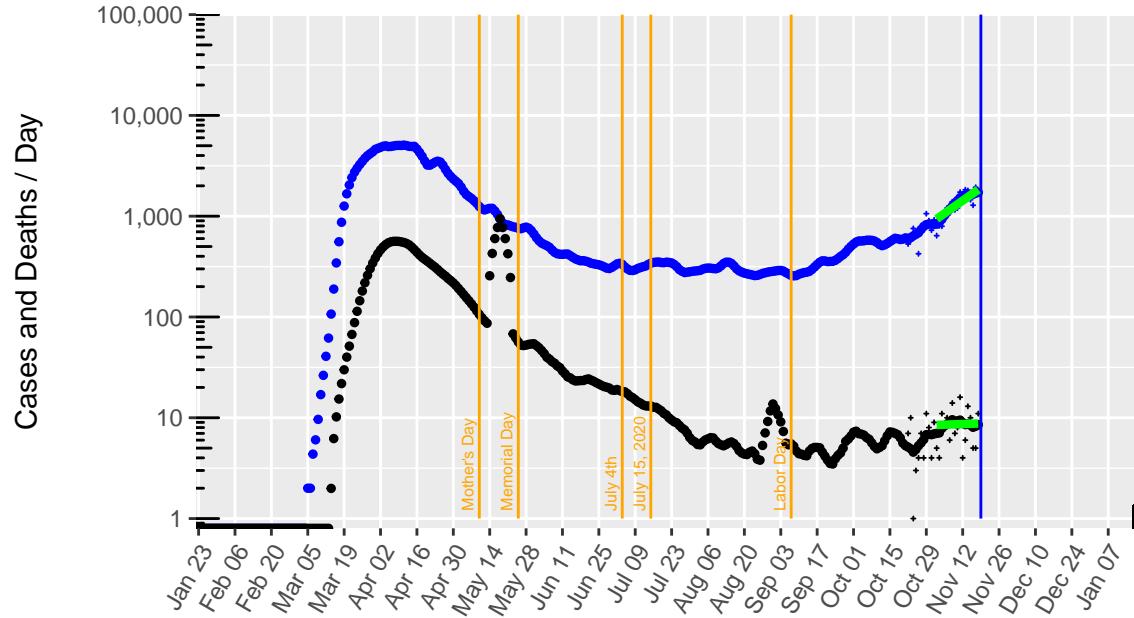
Wyoming projection as of 2020-11-19



New York City projection as of 2020-11-19

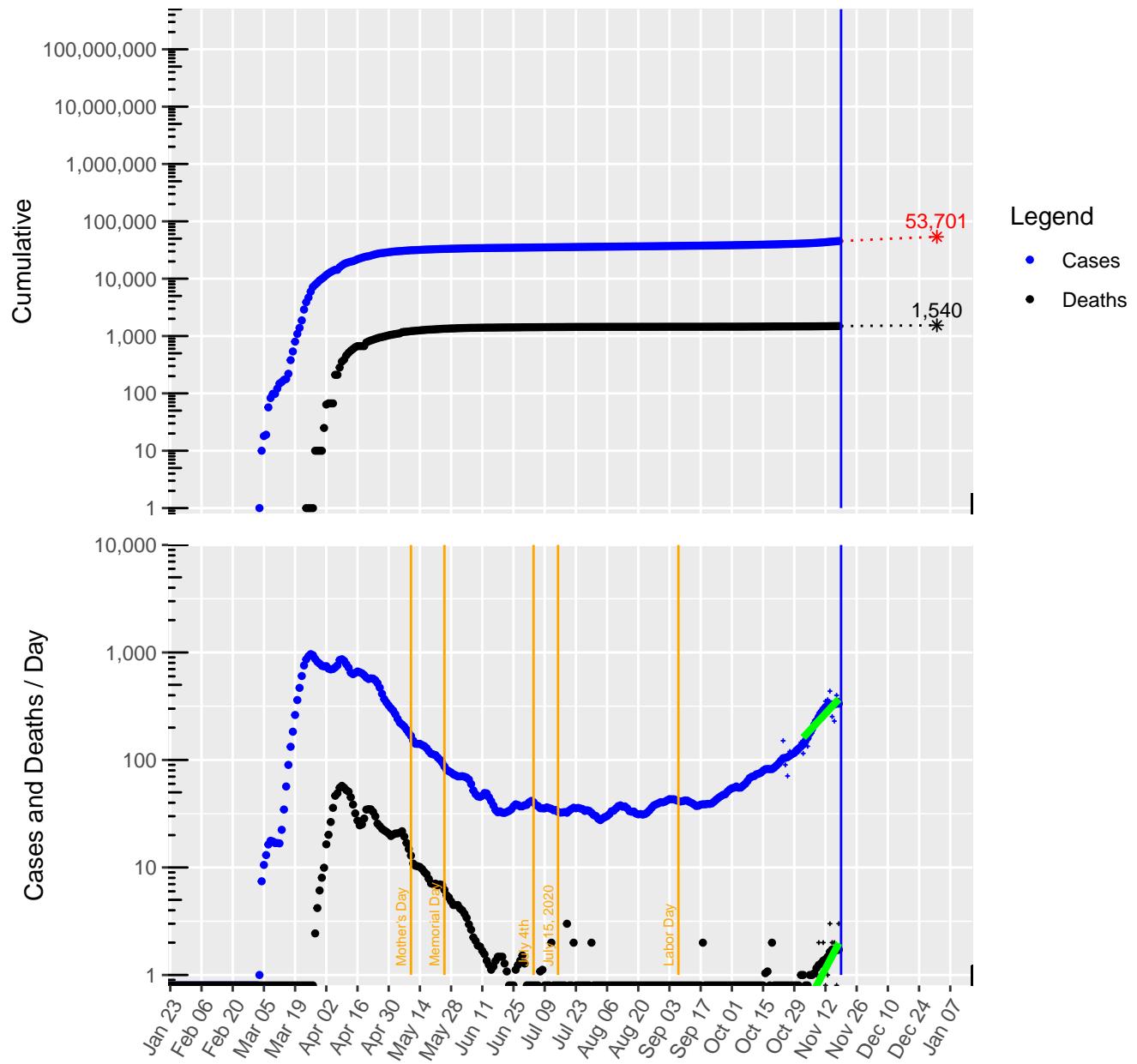


Legend
● Cases
● Deaths

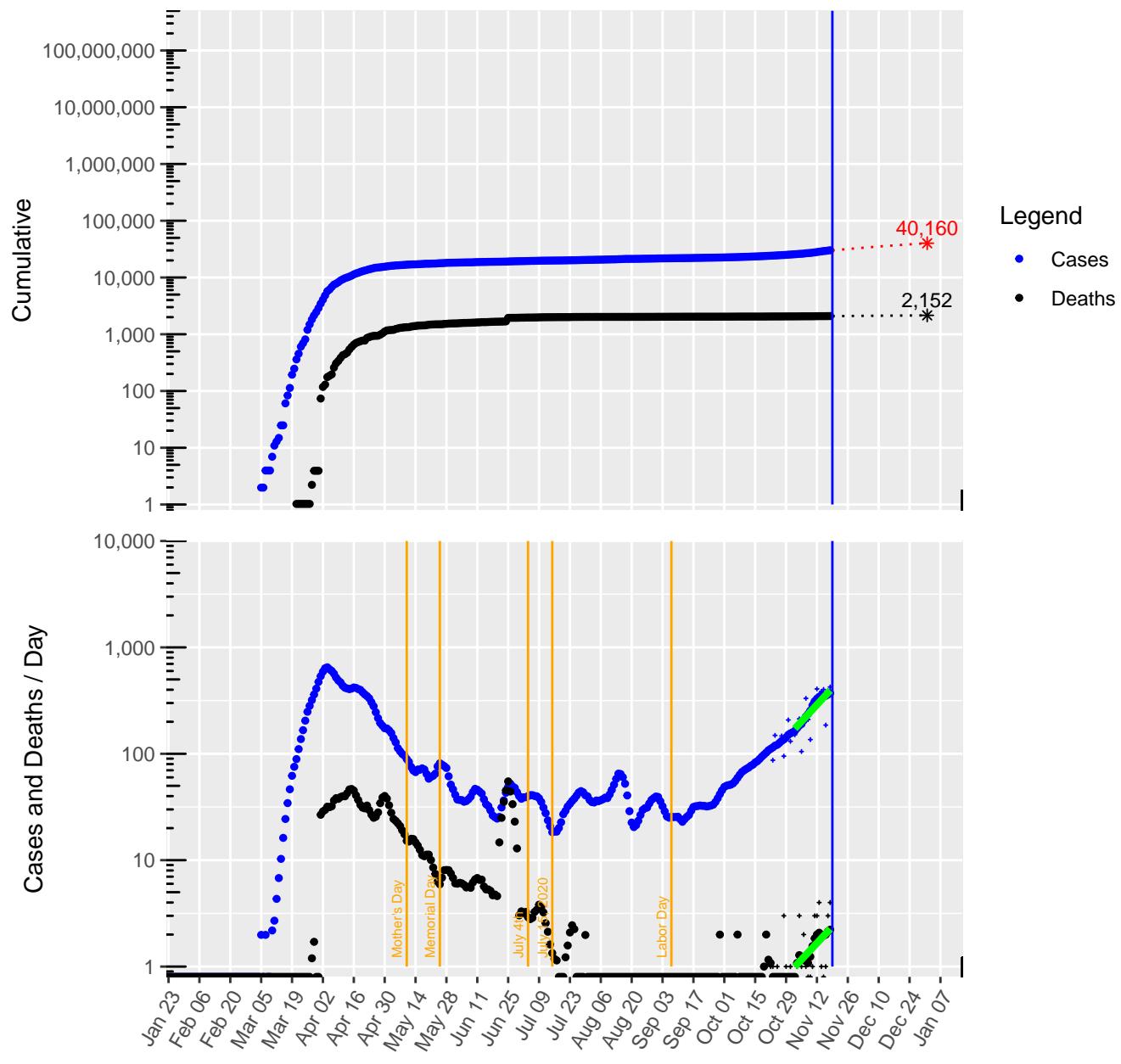


Deaths: 24,130 (11) --- Case Mortality: 8.4% --- Daily Change: +4.3% Cases, +0.2% Deaths (over 16 days)

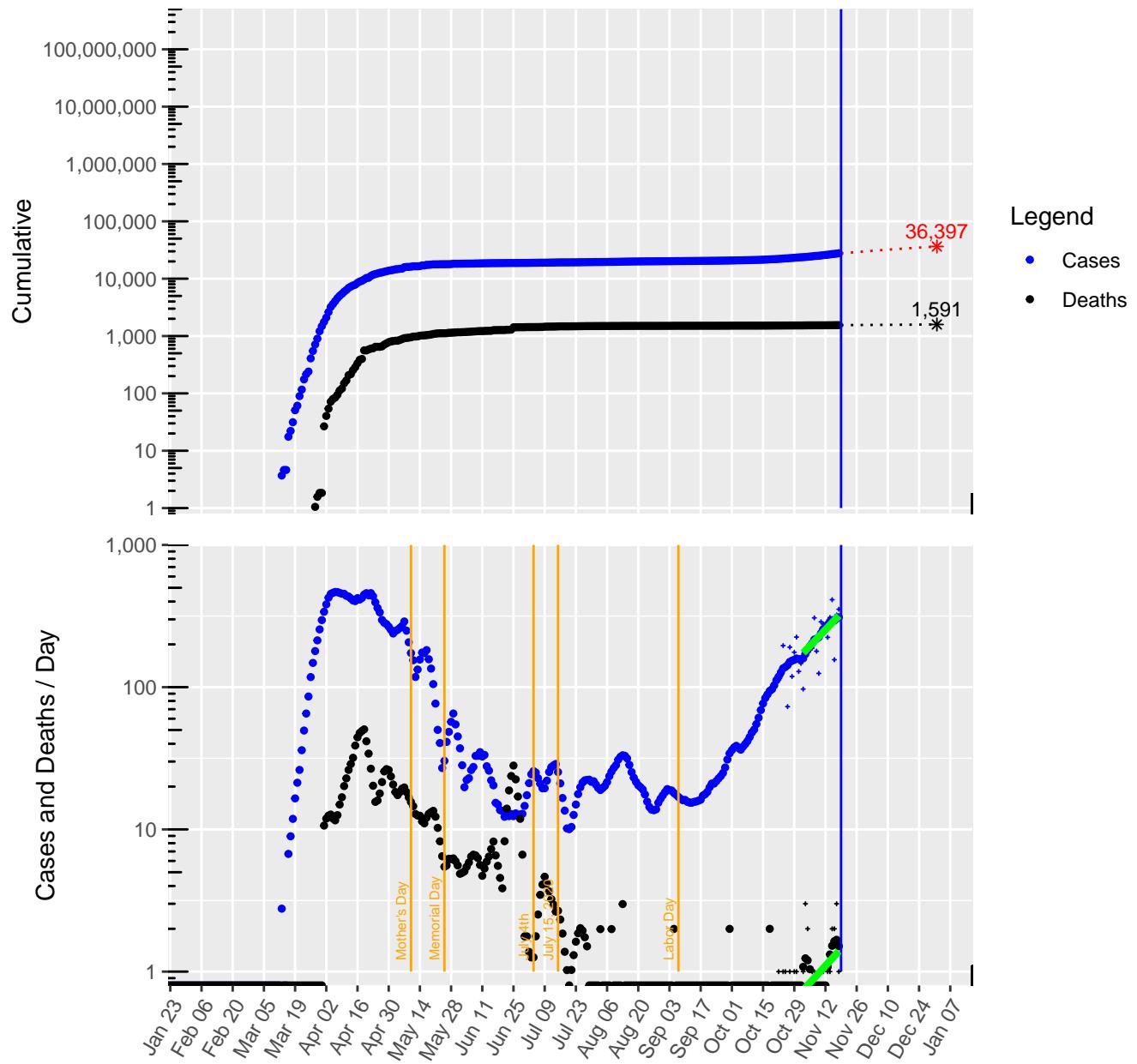
Westchester County, NY projection as of 2020-11-19



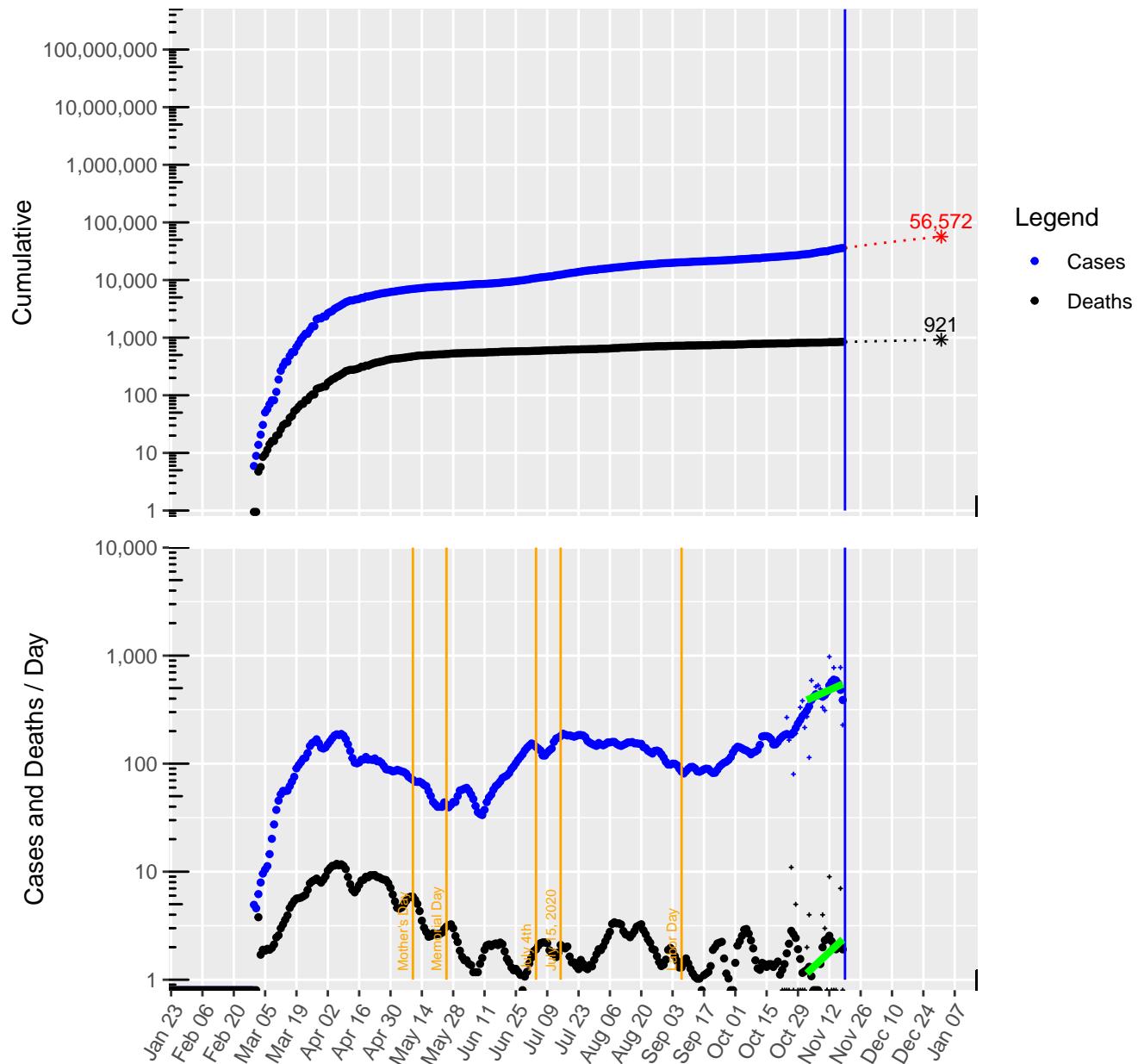
Bergen County, NJ projection as of 2020-11-19



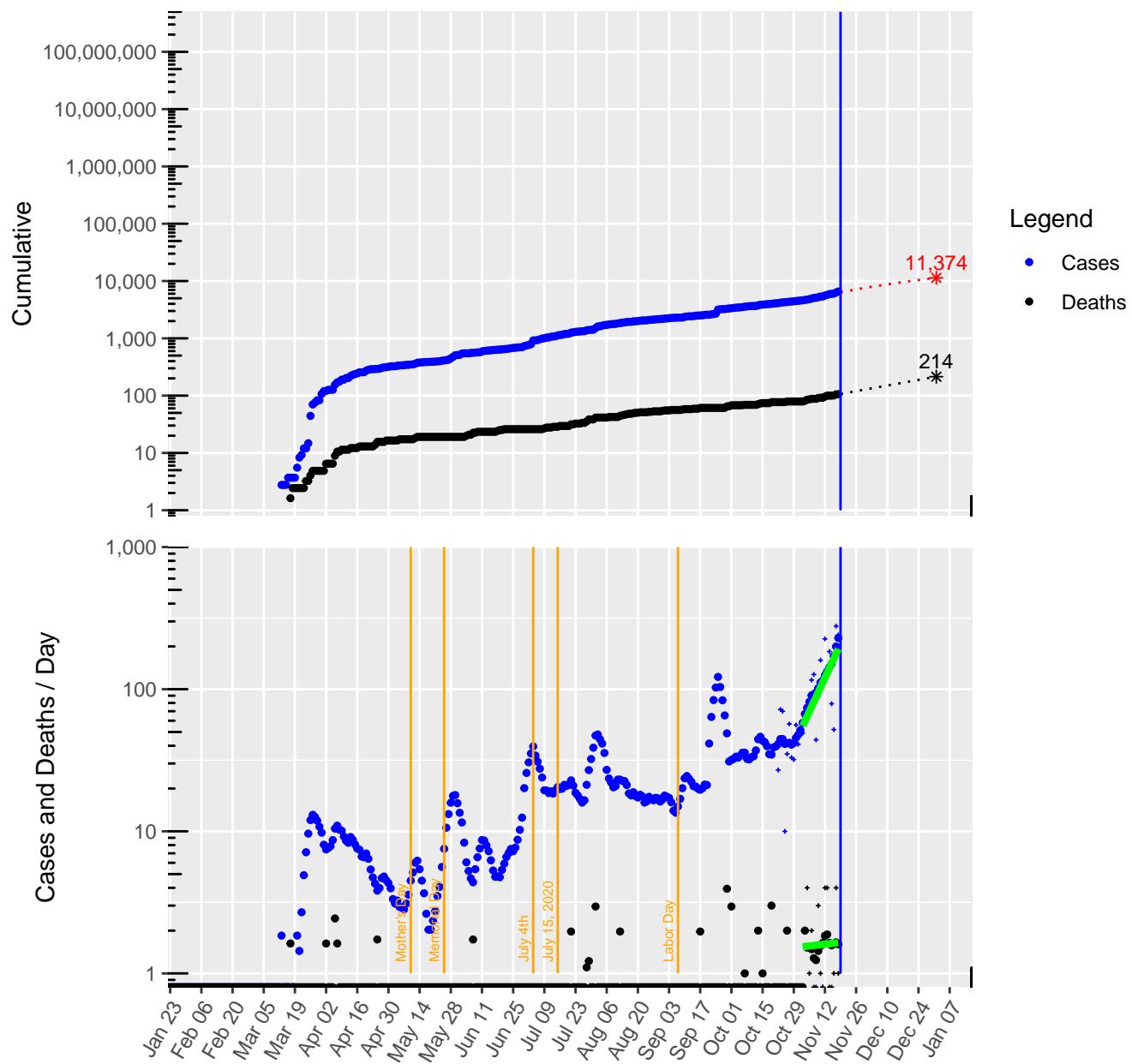
Hudson County, NJ projection as of 2020-11-19



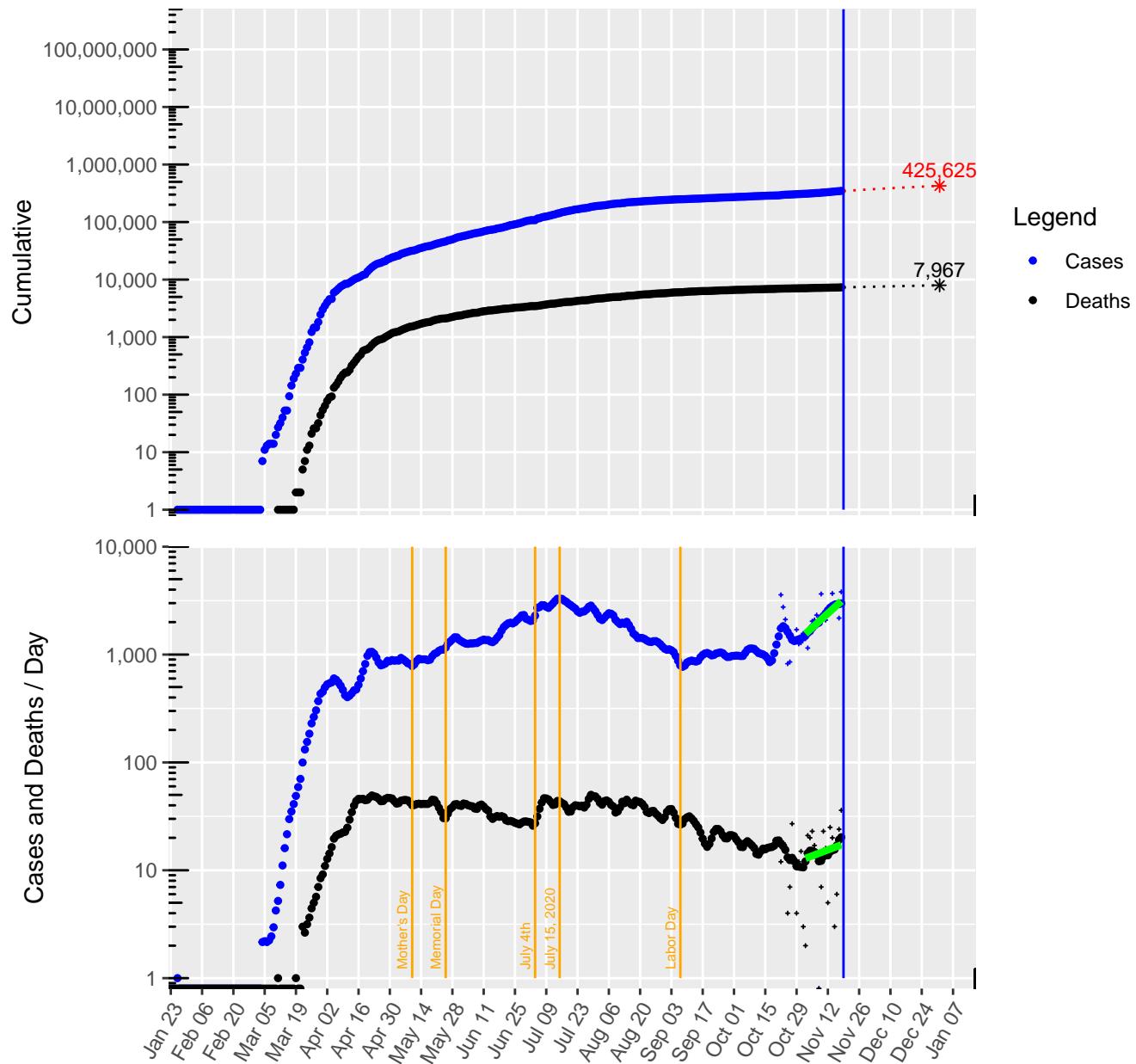
King County (Seattle) projection as of 2020-11-19



Clark County, Washington projection as of 2020-11-19



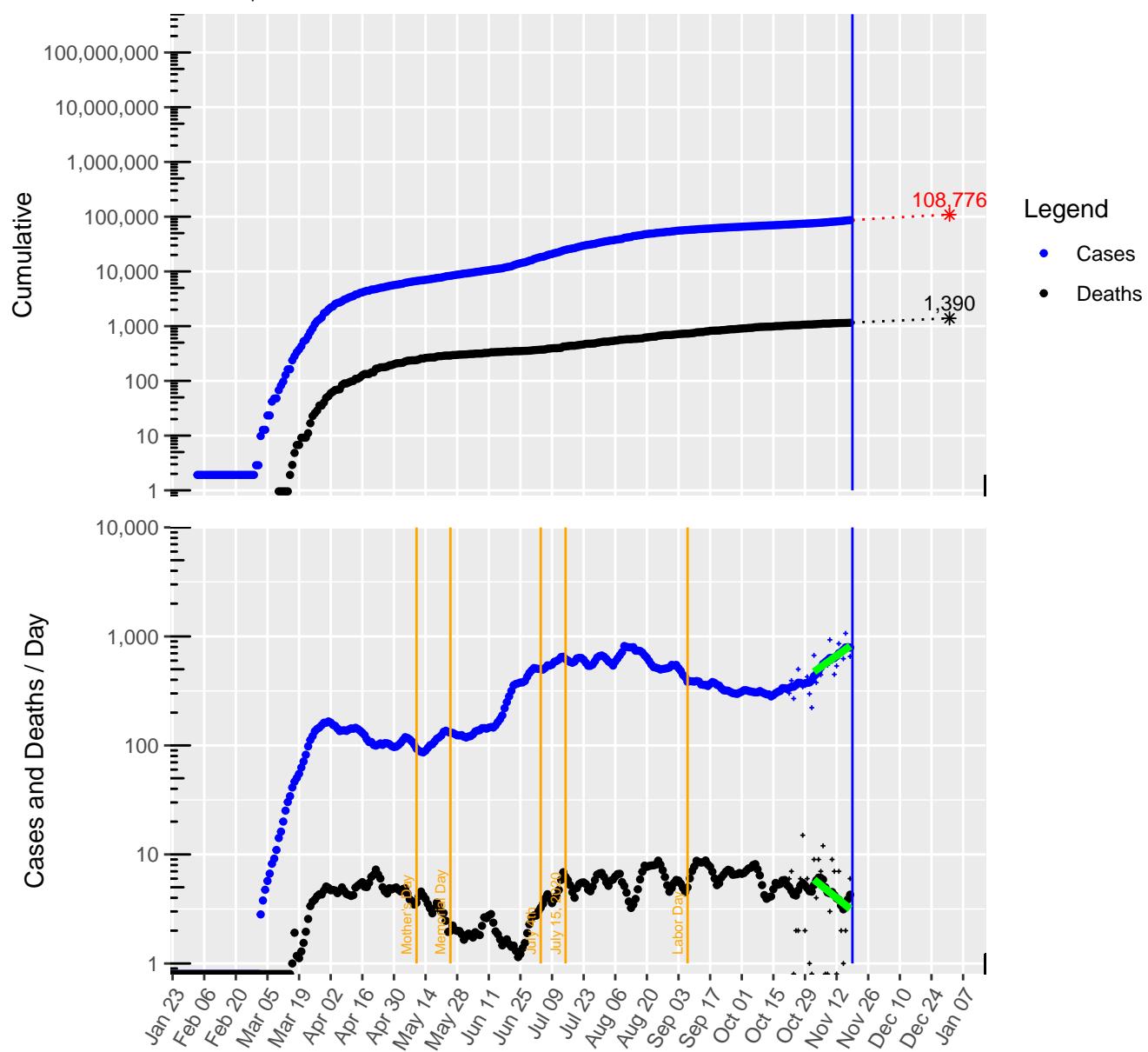
Los Angeles projection as of 2020-11-19



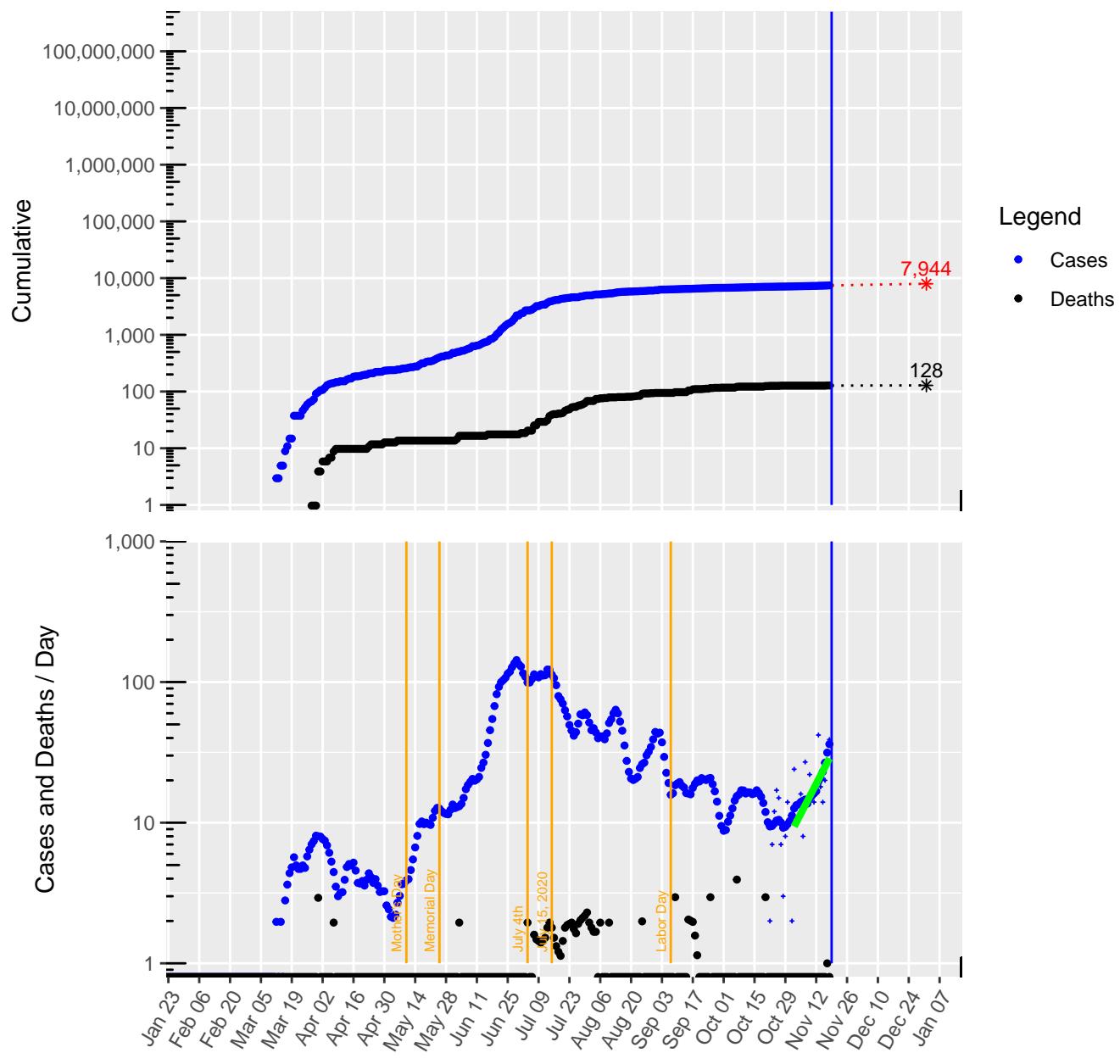
Deaths: 7,335 (36) — Case Mortality: 2.1% — Daily Change: +4.5% Cases, +1.9% Deaths (over 16 days)

Bay Area projection as of 2020-11-19

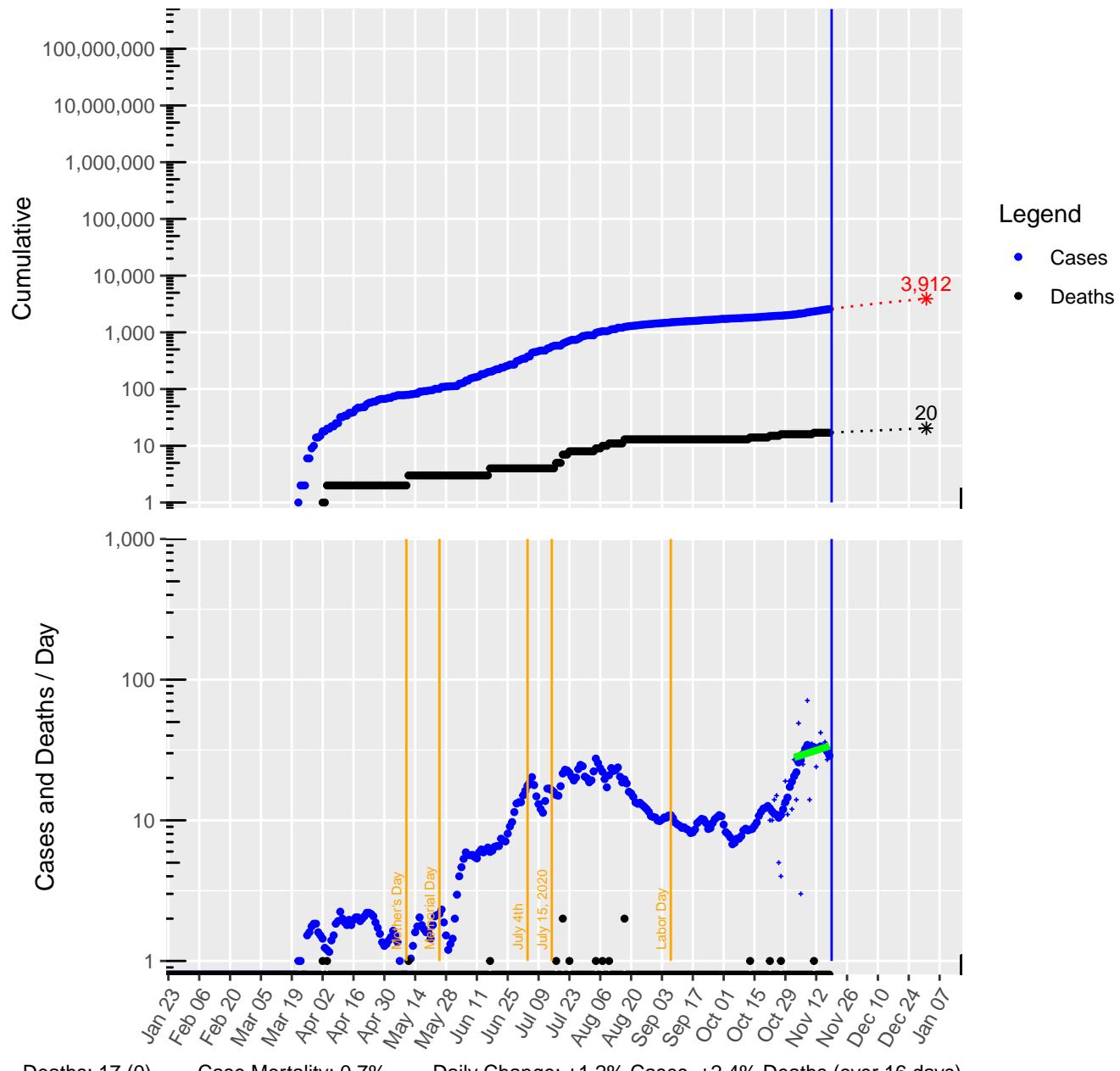
Marin, Napa, San Mateo, San Francisco, Santa Clara, Solano, and Sonoma Counties



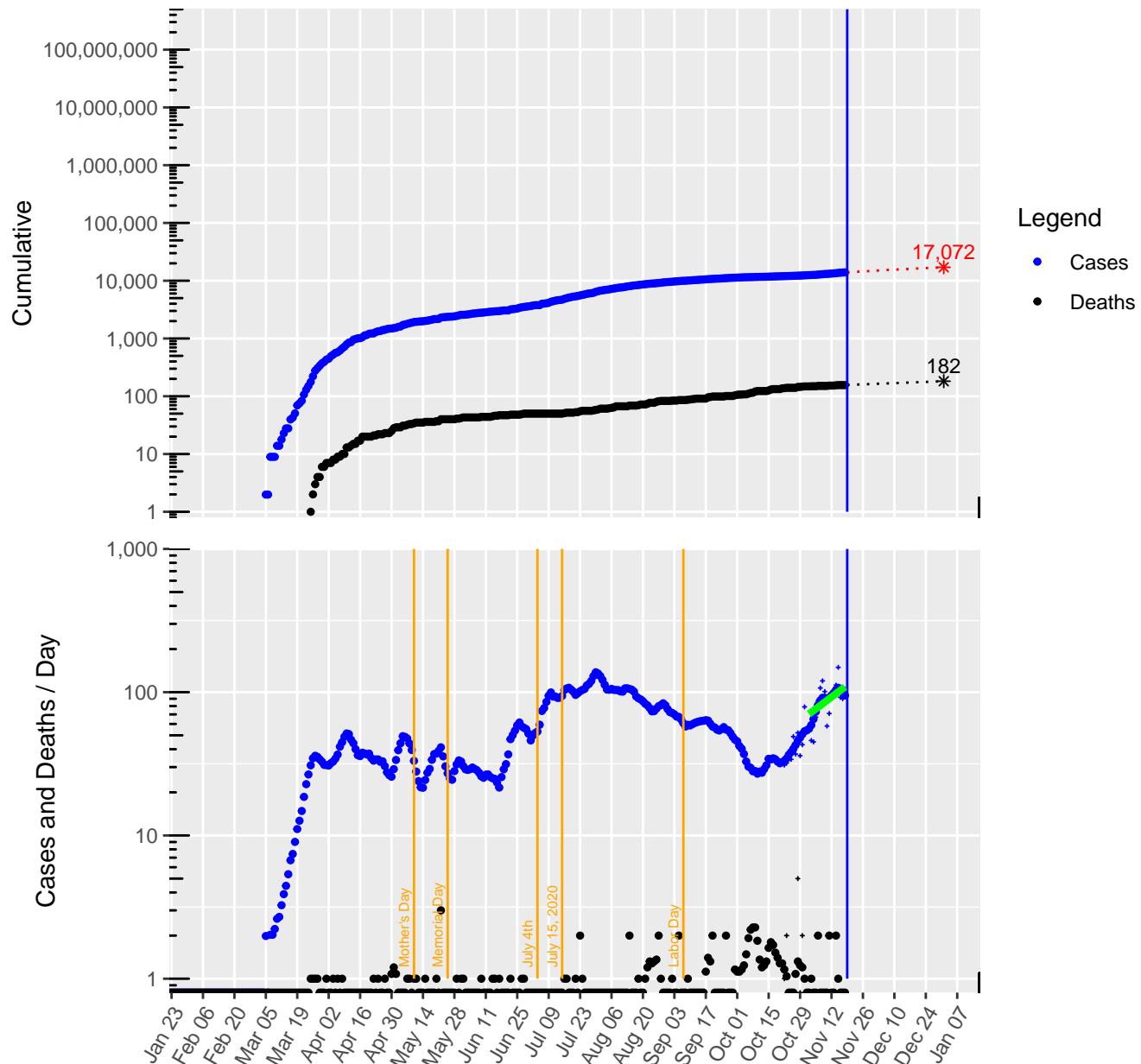
Marin County, California projection as of 2020-11-19



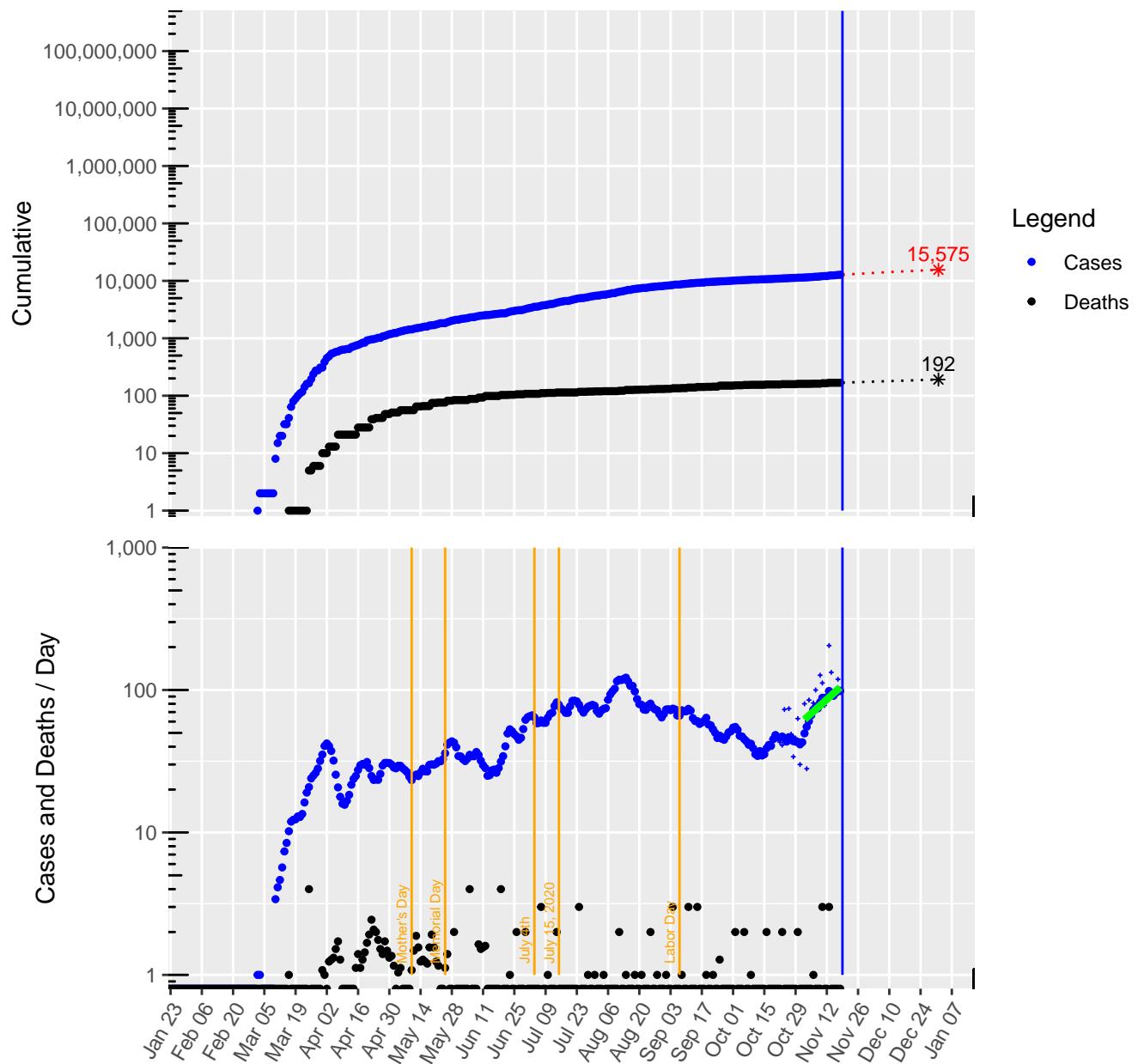
Napa County, California projection as of 2020-11-19



San Francisco projection as of 2020-11-19

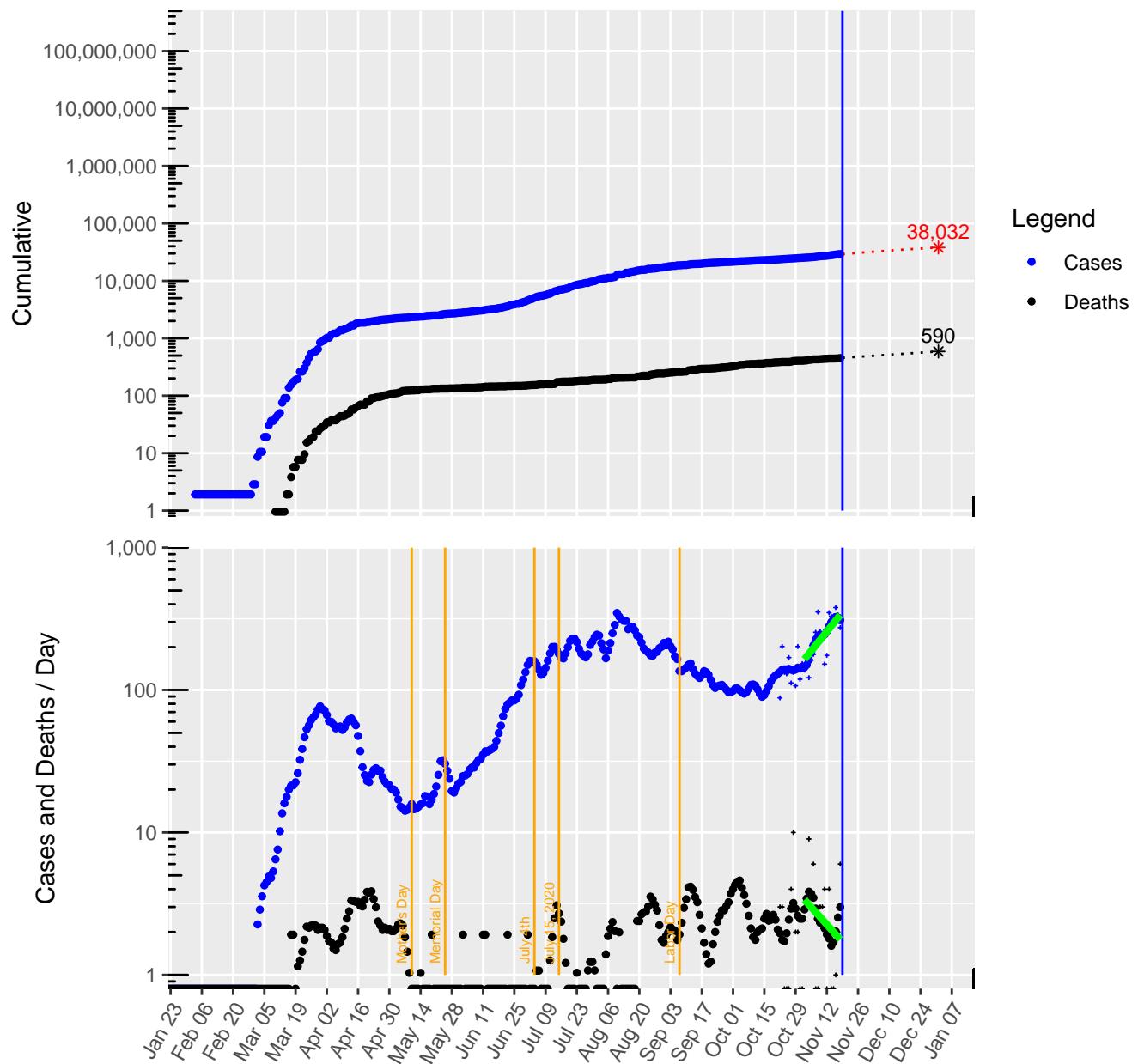


San Mateo County, California projection as of 2020-11-19

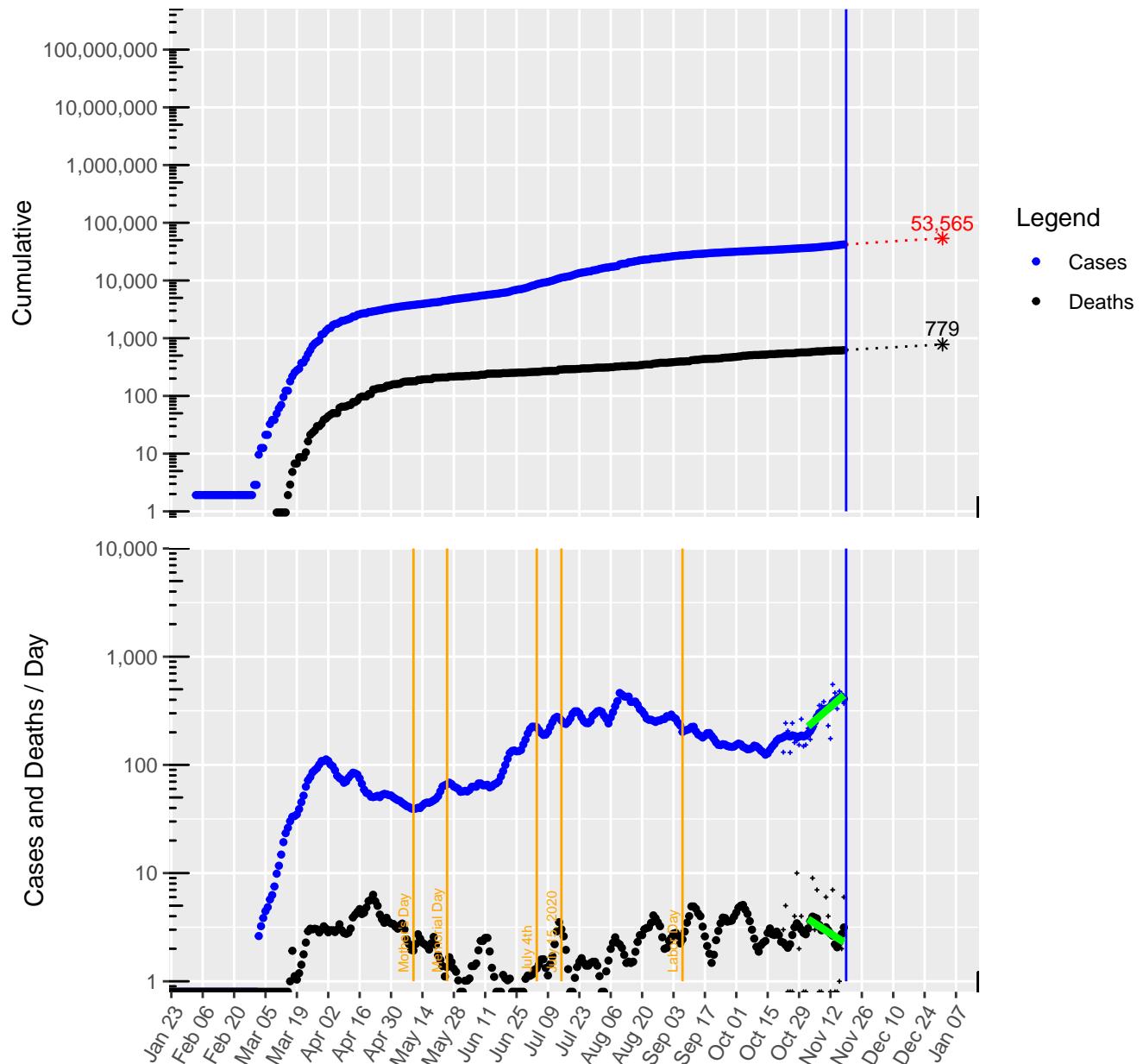


Deaths: 168 (0) — Case Mortality: 1.3% — Daily Change: +3.4% Cases, +1.0% Deaths (over 16 days)

Santa Clara County, California projection as of 2020-11-19

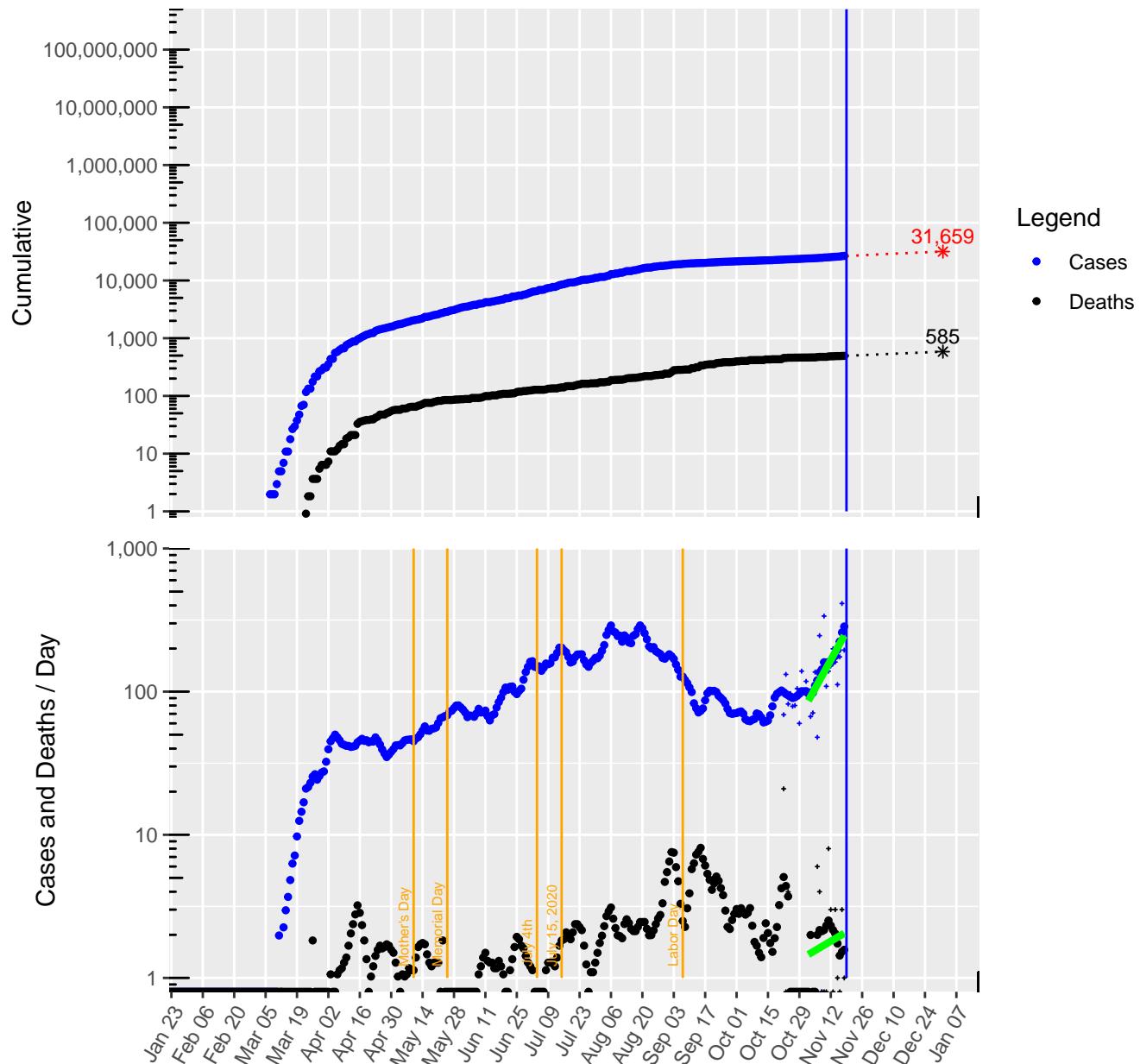


Santa Clara and San Mateo Counties projection as of 2020-11-19

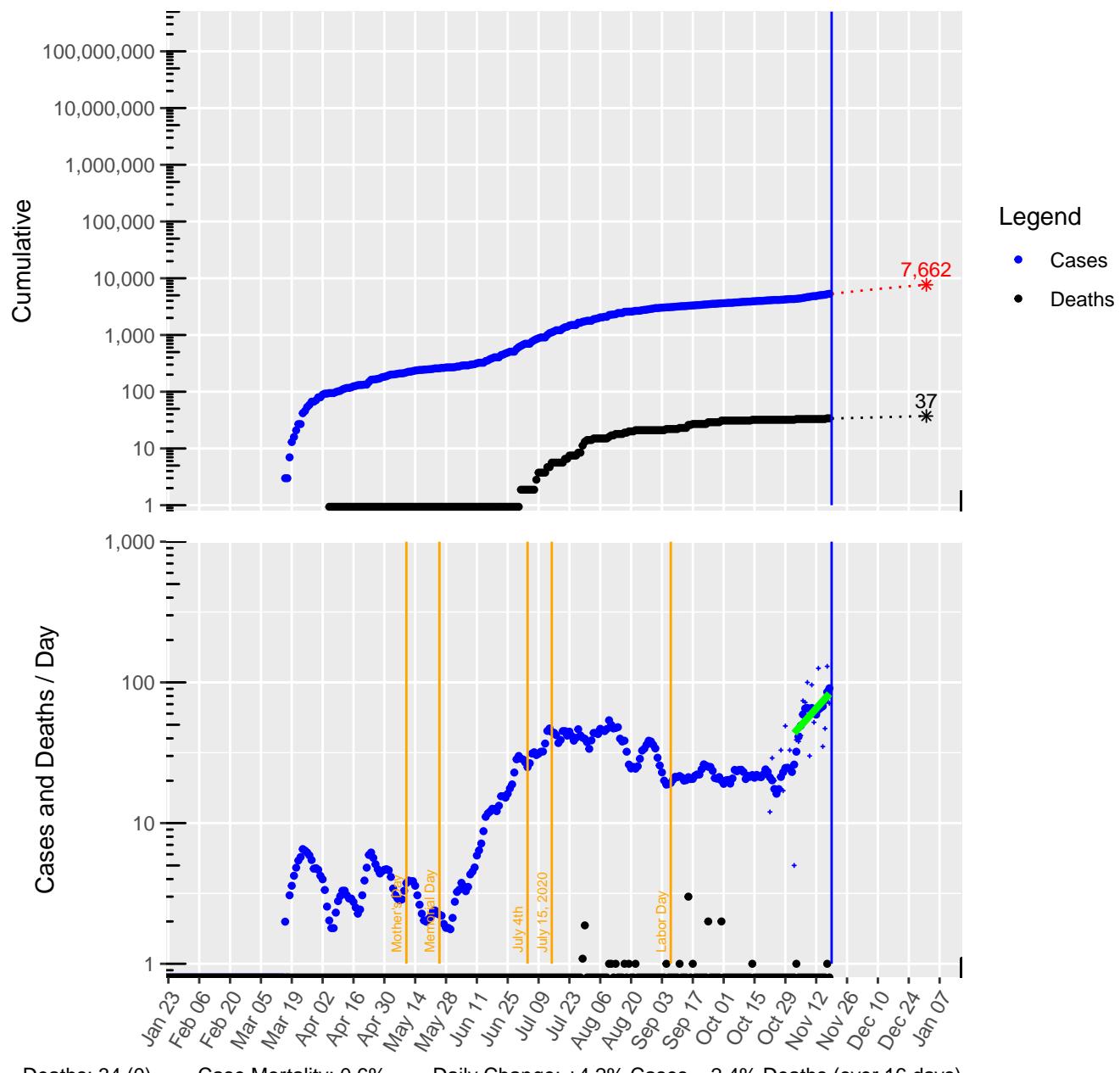


Deaths: 621 (6) — Case Mortality: 1.5% — Daily Change: +4.3% Cases, -3.2% Deaths (over 16 days)

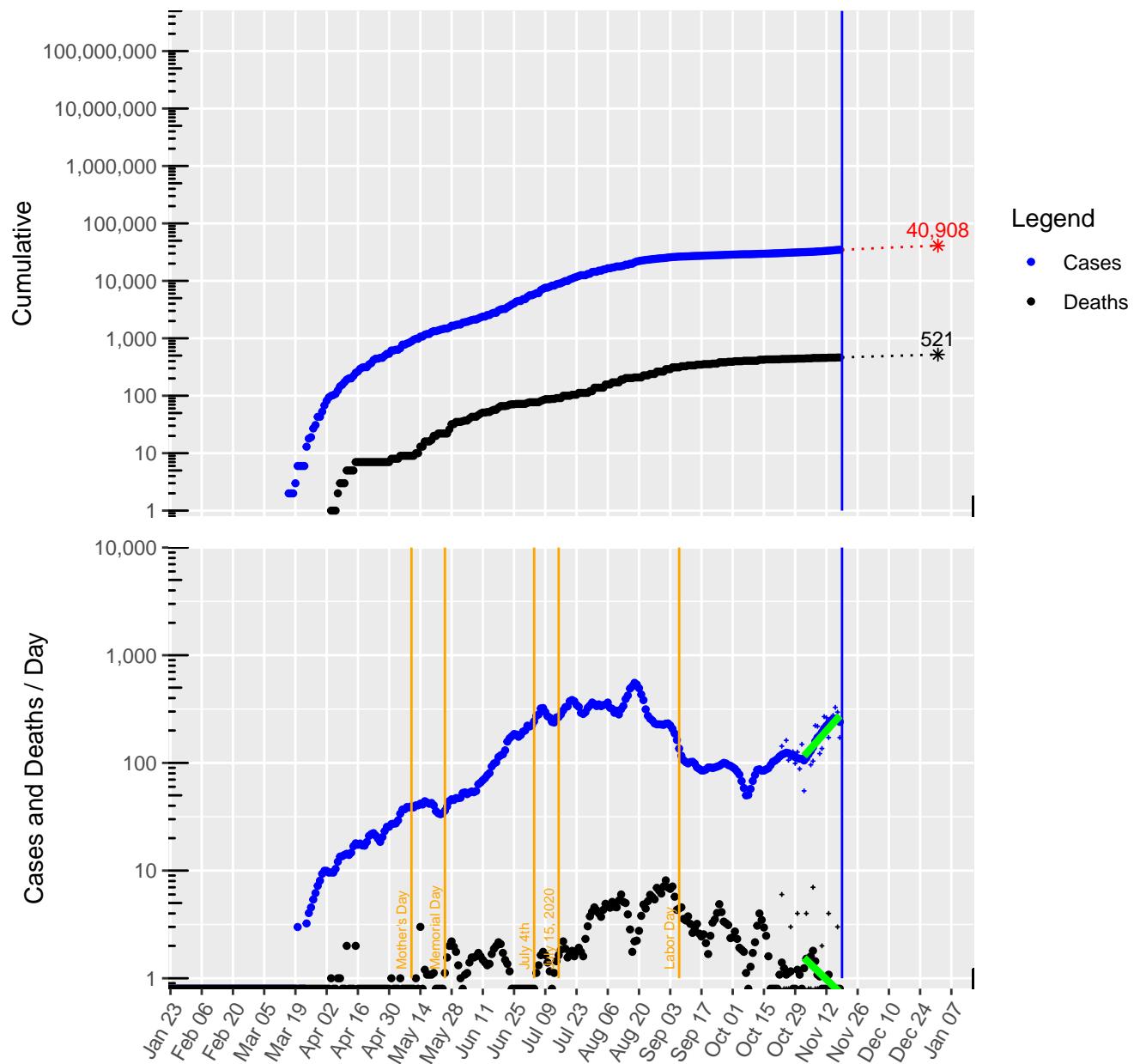
Alameda County, California projection as of 2020-11-19



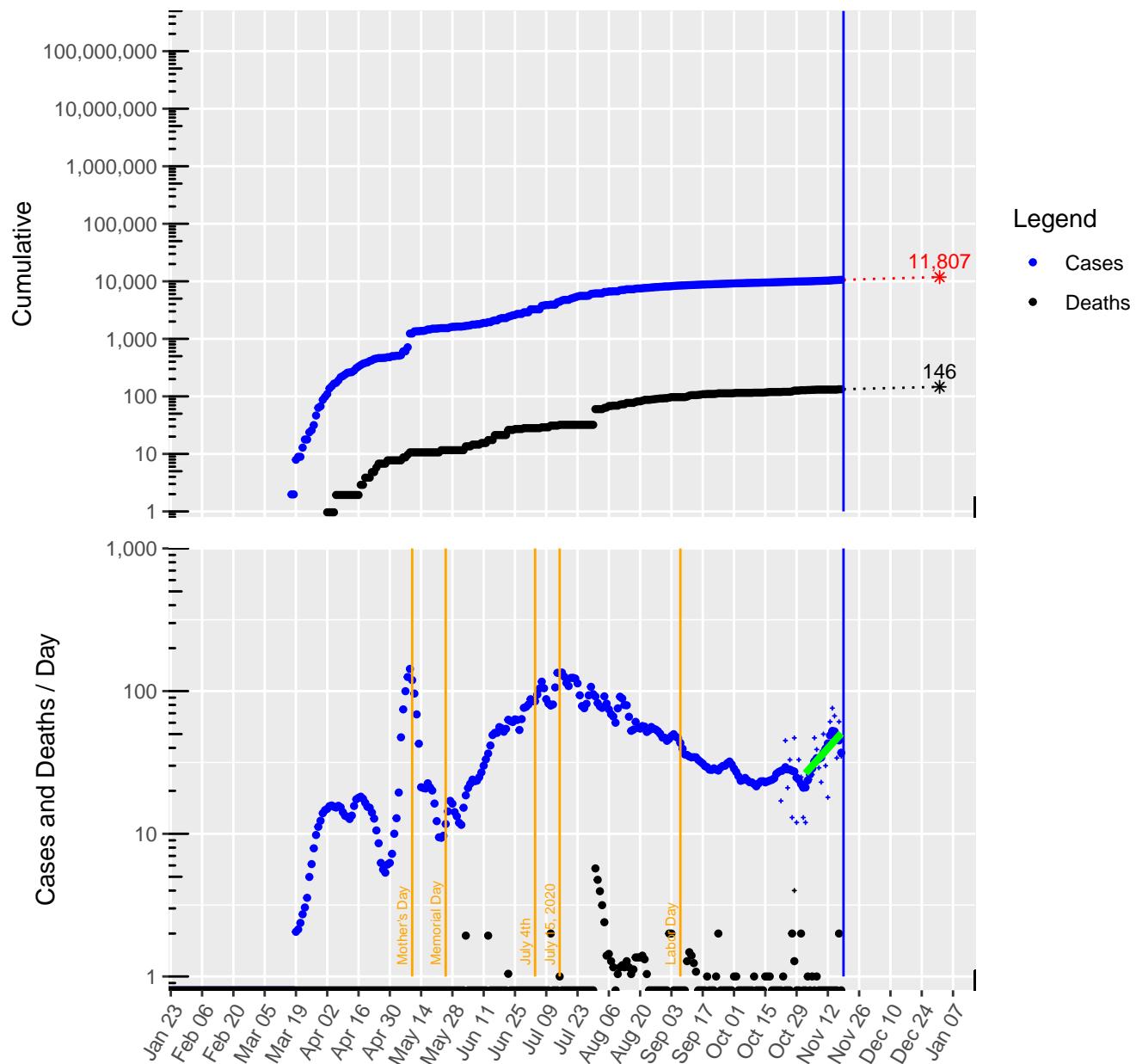
San Luis Obispo, California projection as of 2020-11-19



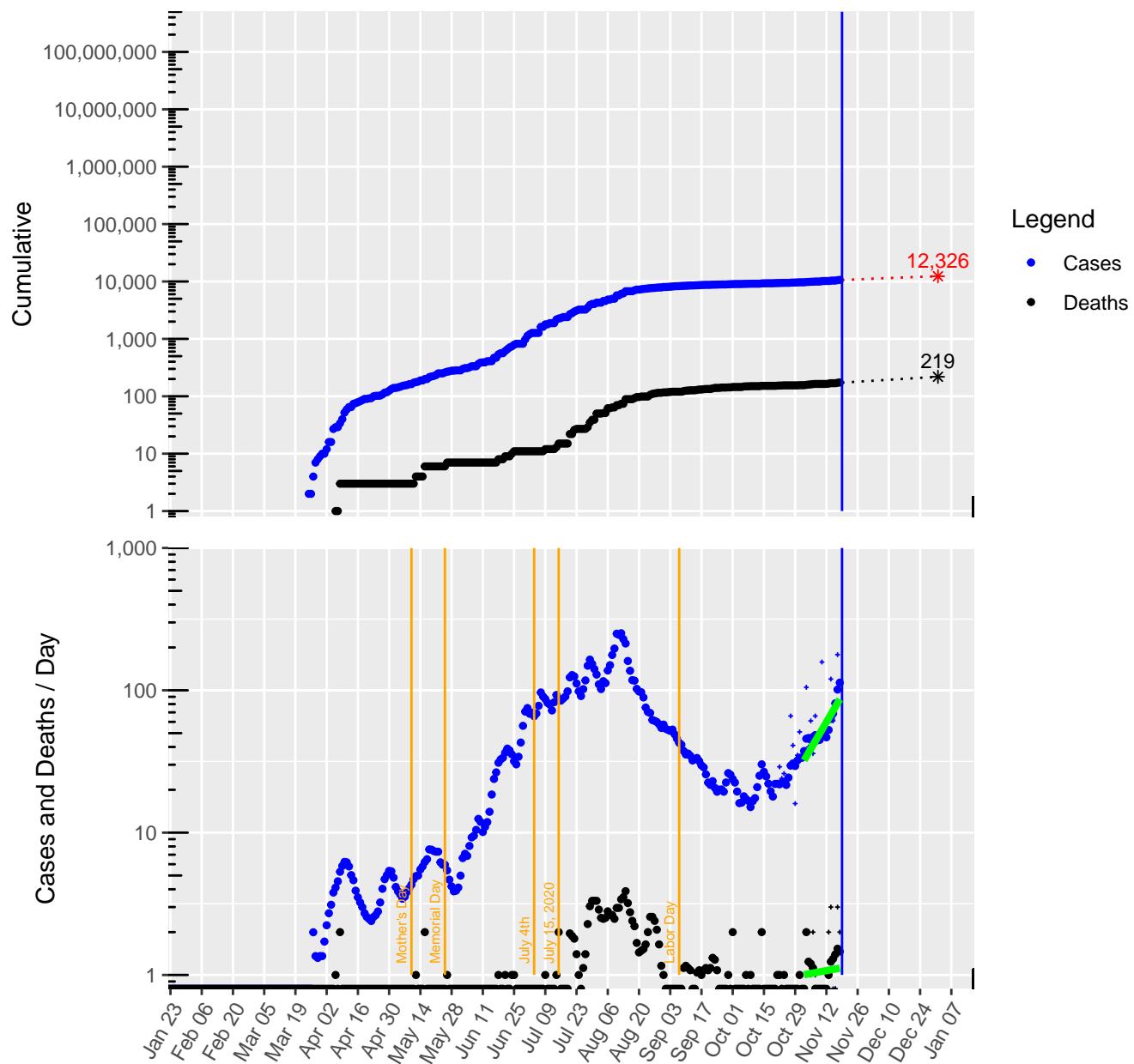
Fresno, California projection as of 2020-11-19



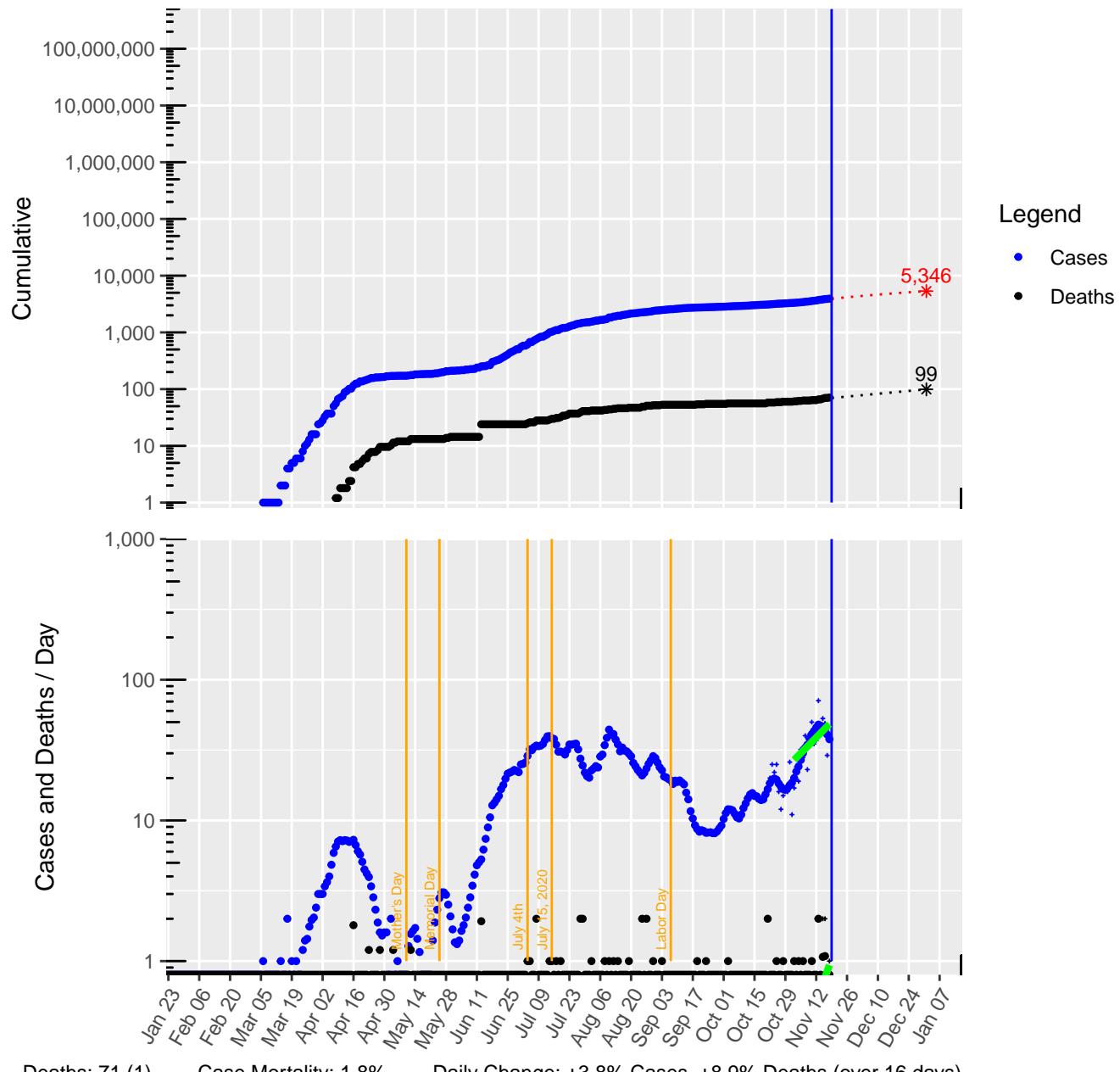
Santa Barbara County, California projection as of 2020-11-19



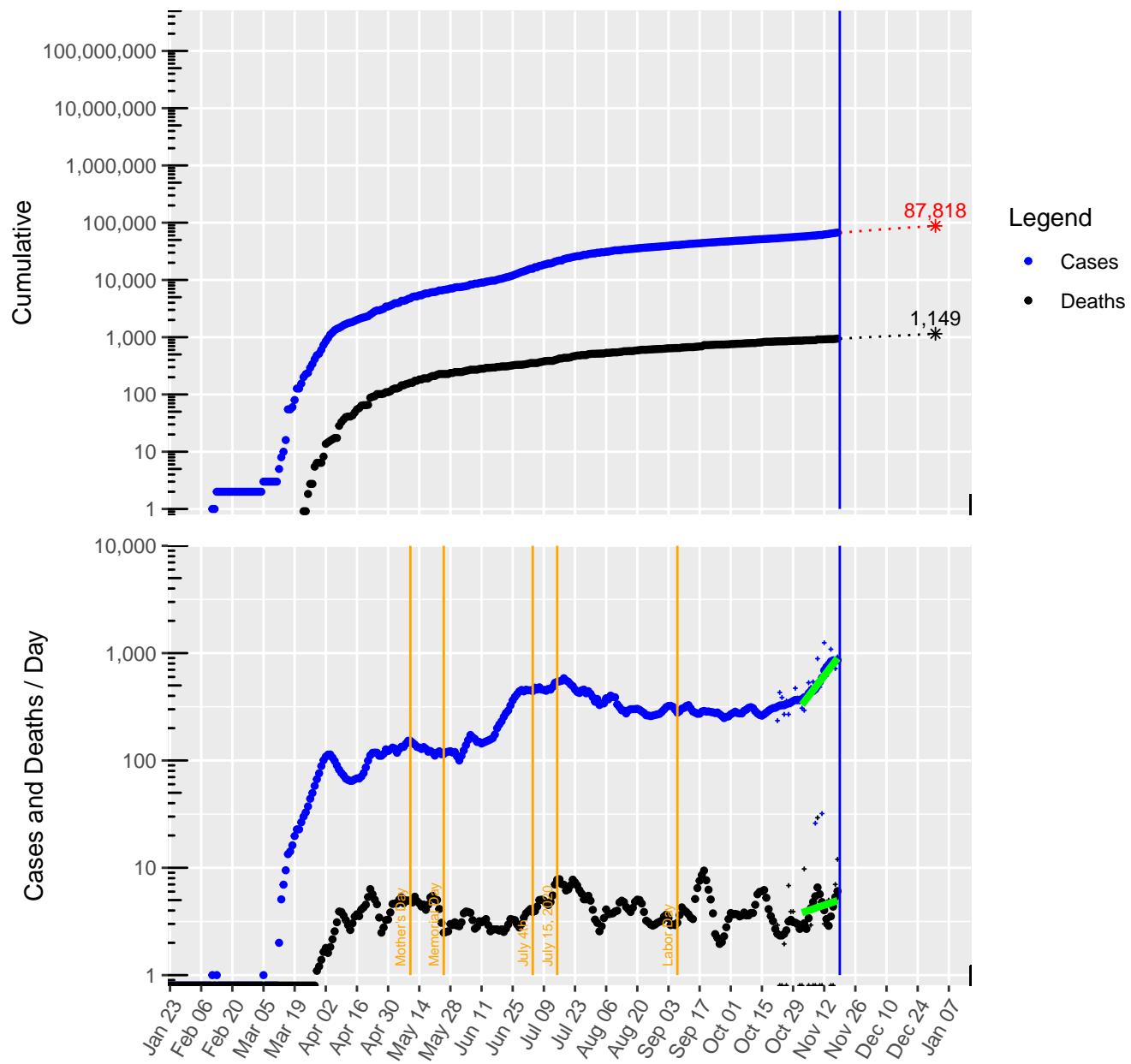
Merced County, California projection as of 2020-11-19



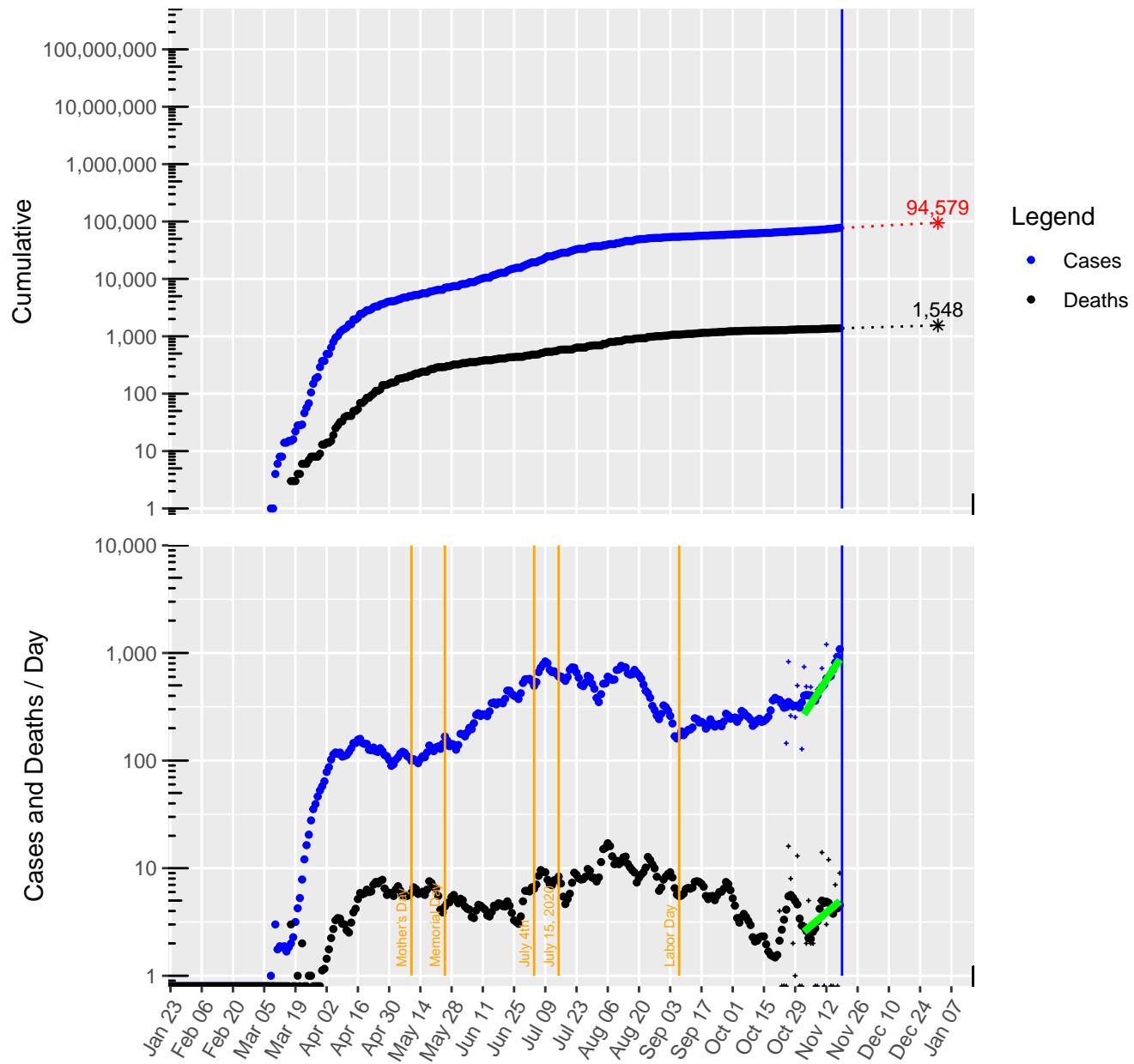
Yolo County, California projection as of 2020-11-19



San Diego County projection as of 2020-11-19

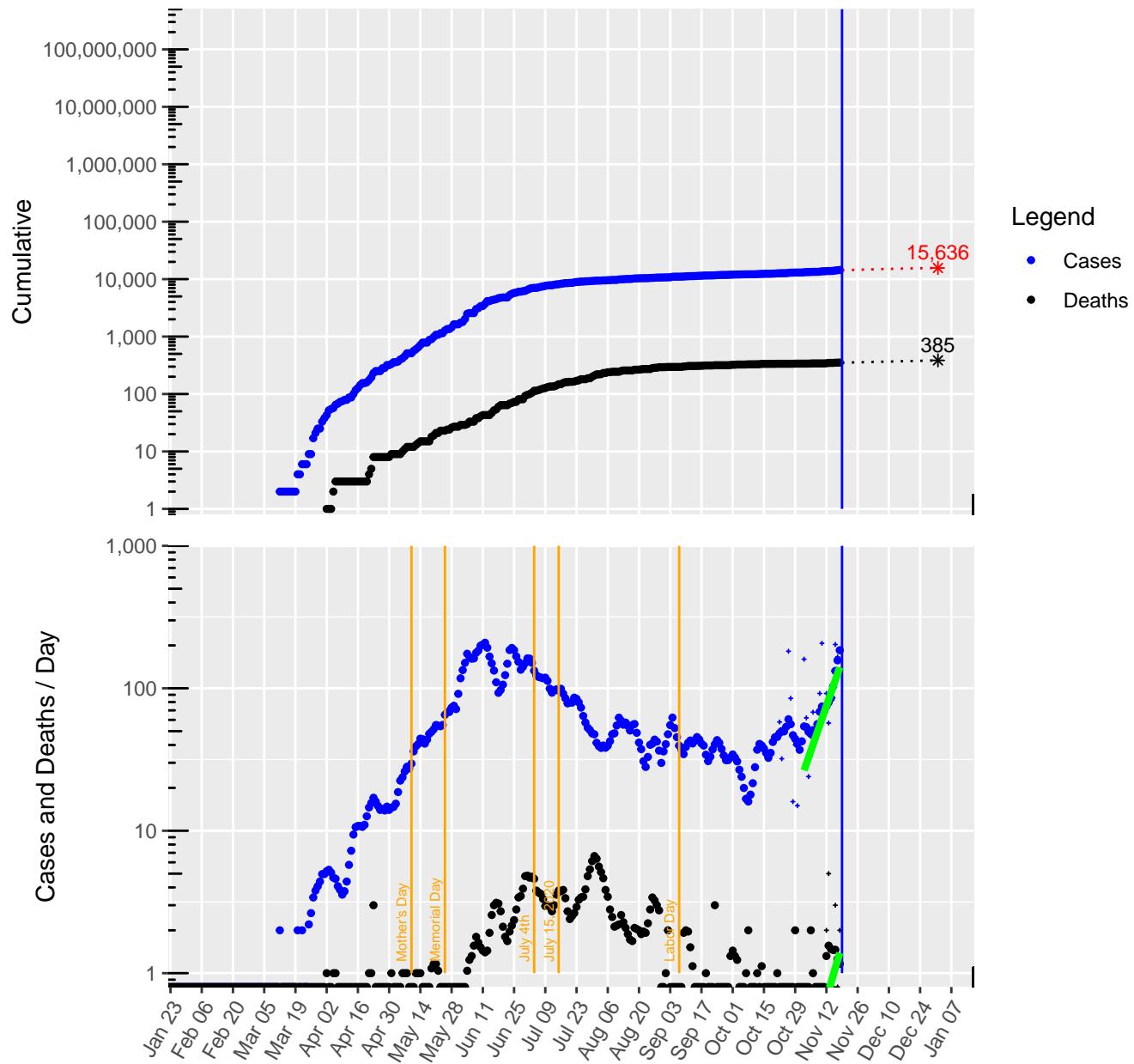


Riverside County projection as of 2020-11-19

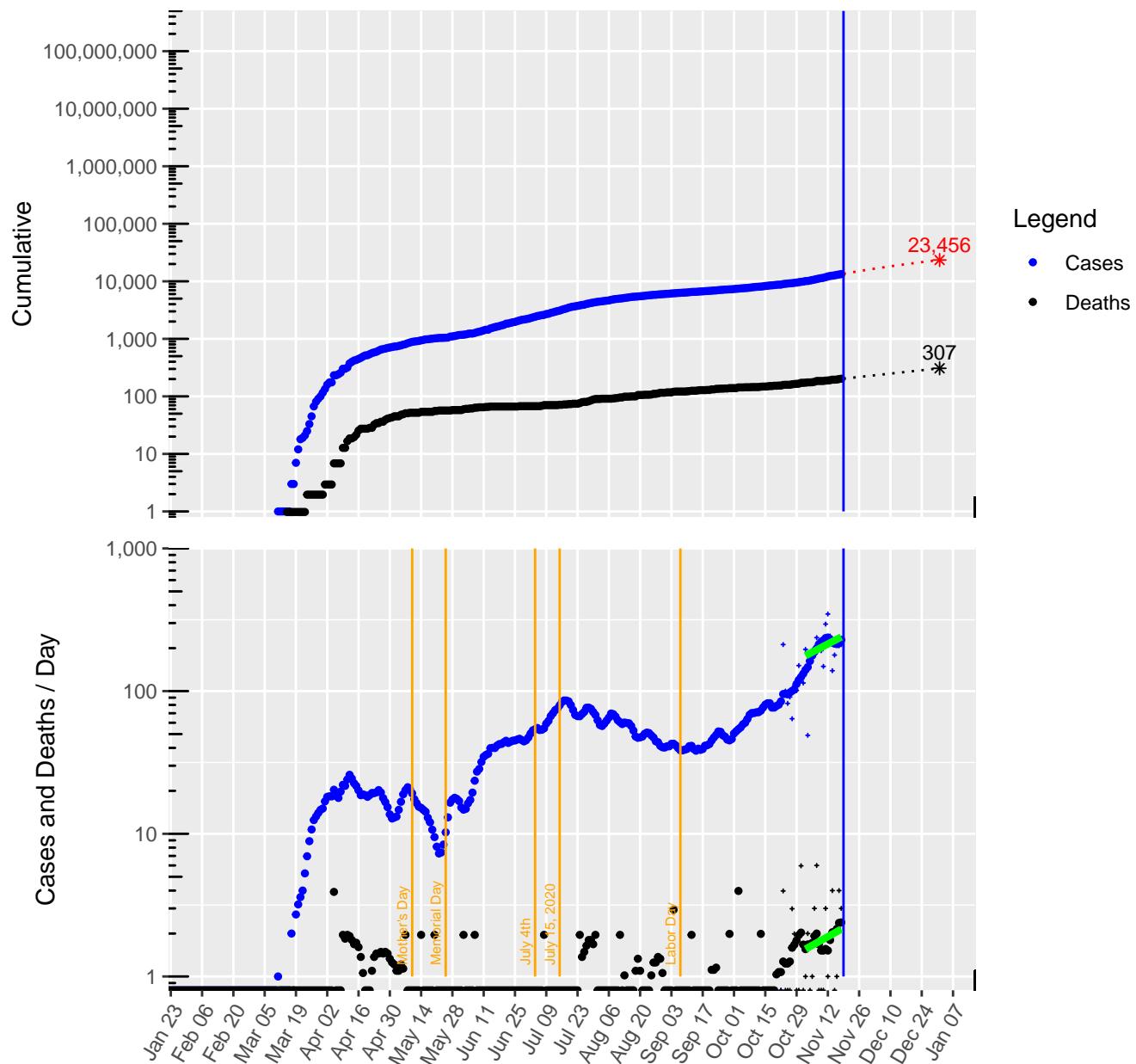


Deaths: 1,383 (9) --- Case Mortality: 1.8% --- Daily Change: +7.0% Cases, +4.2% Deaths (over 16 days)

Imperial County projection as of 2020-11-19

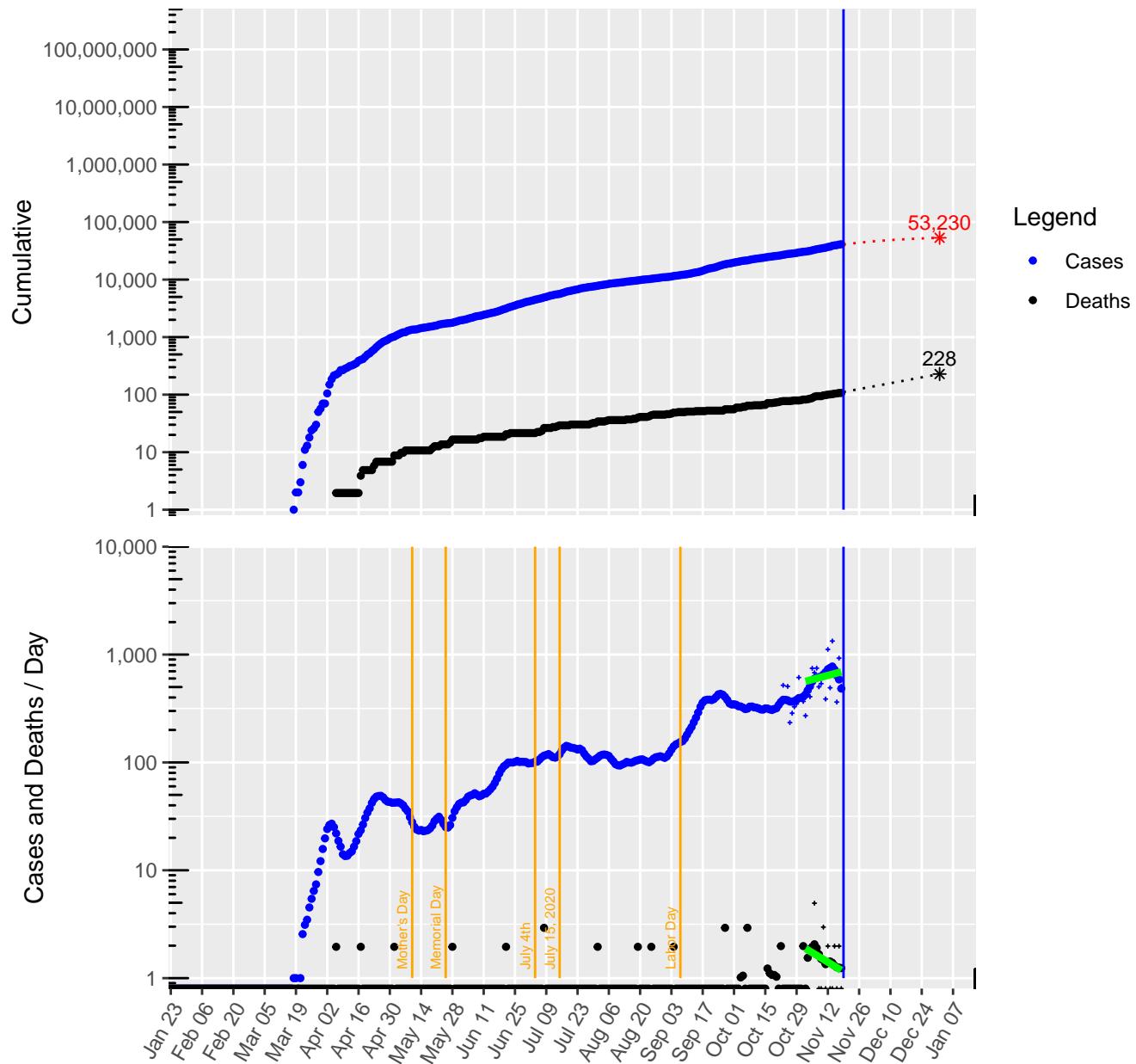


Multnomah County (Portland) projection as of 2020-11-19

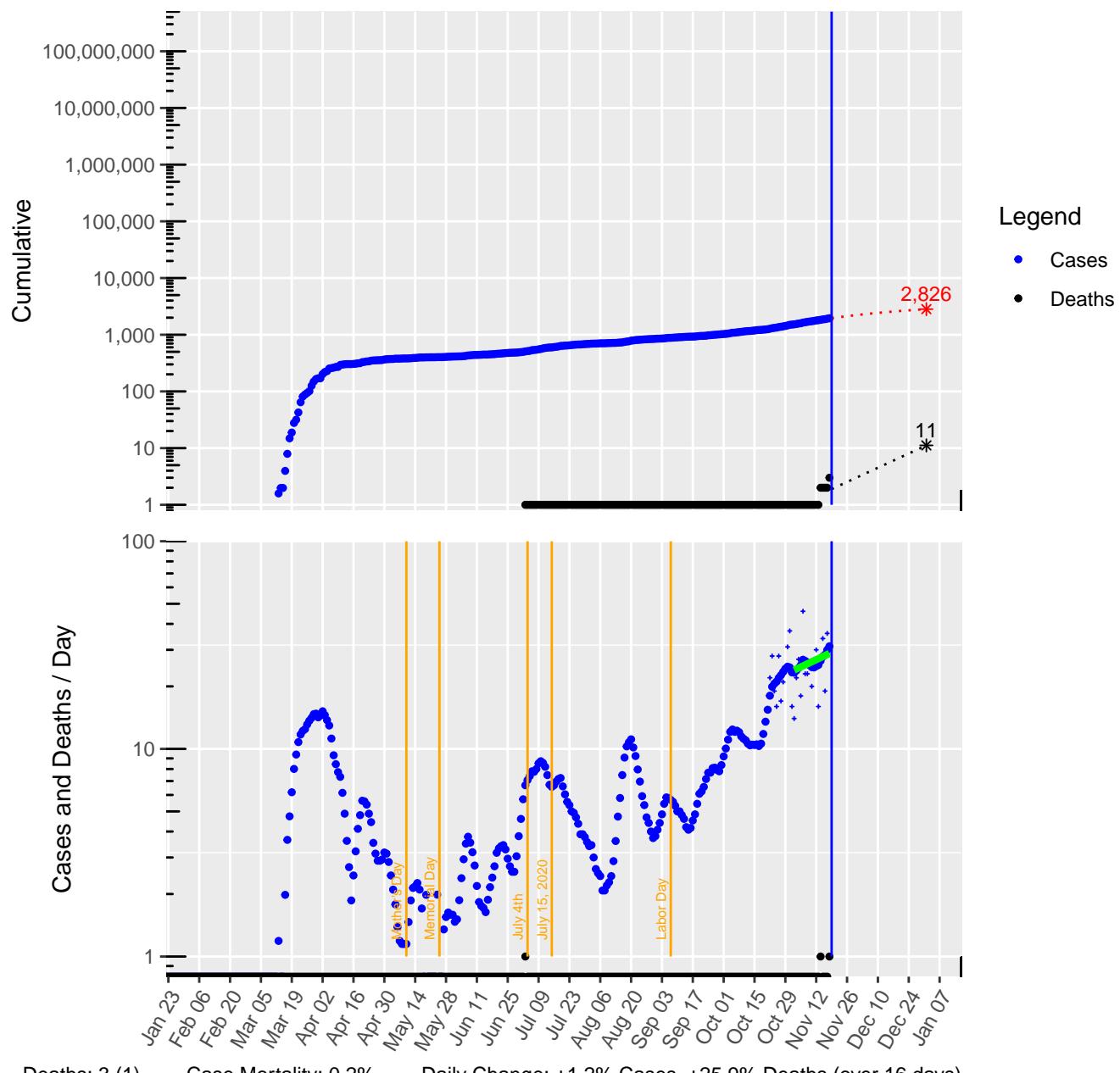


Deaths: 203 (3) --- Case Mortality: 1.5% --- Daily Change: +2.0% Cases, +2.1% Deaths (over 16 days)

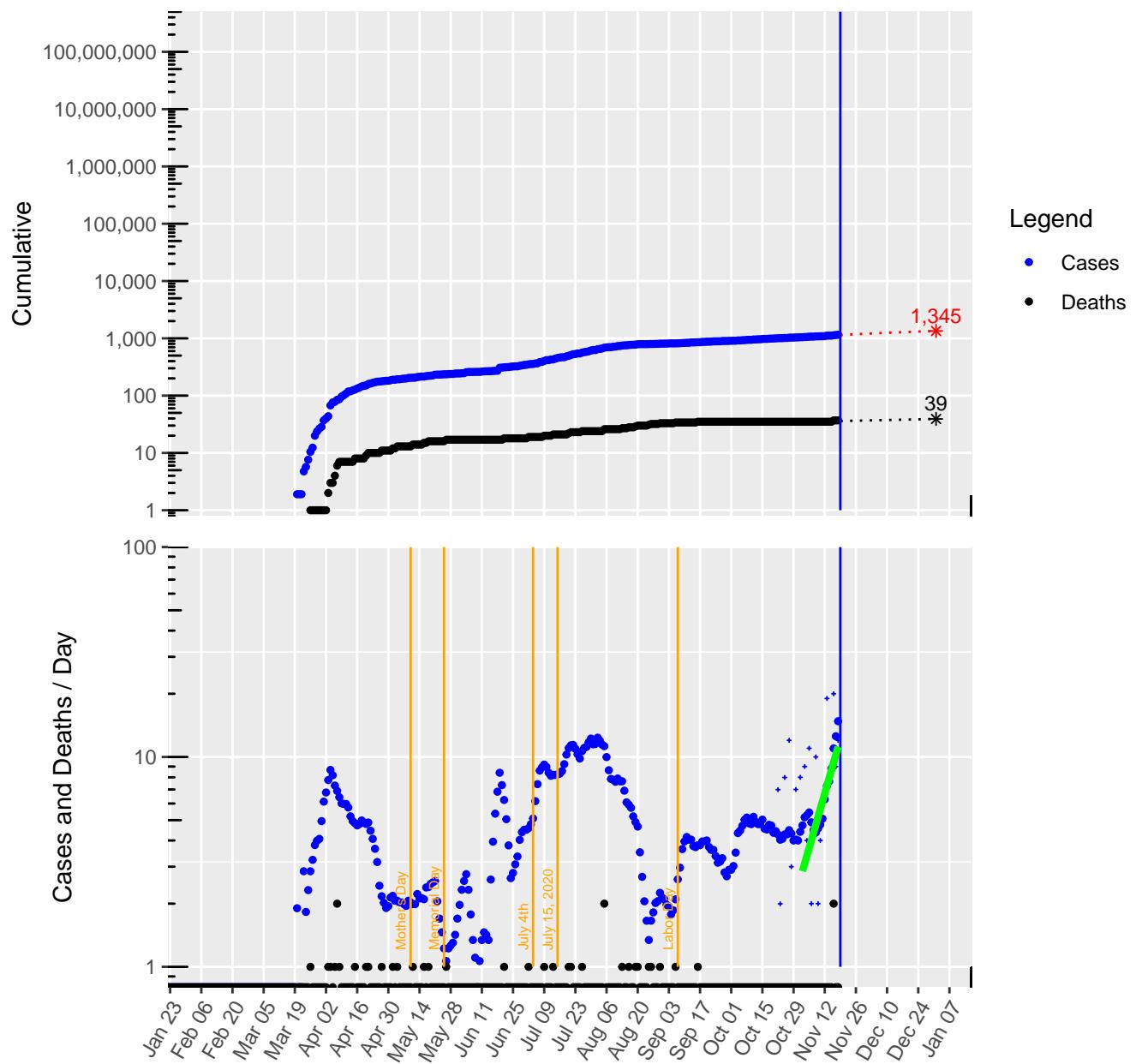
Utah County projection as of 2020-11-19



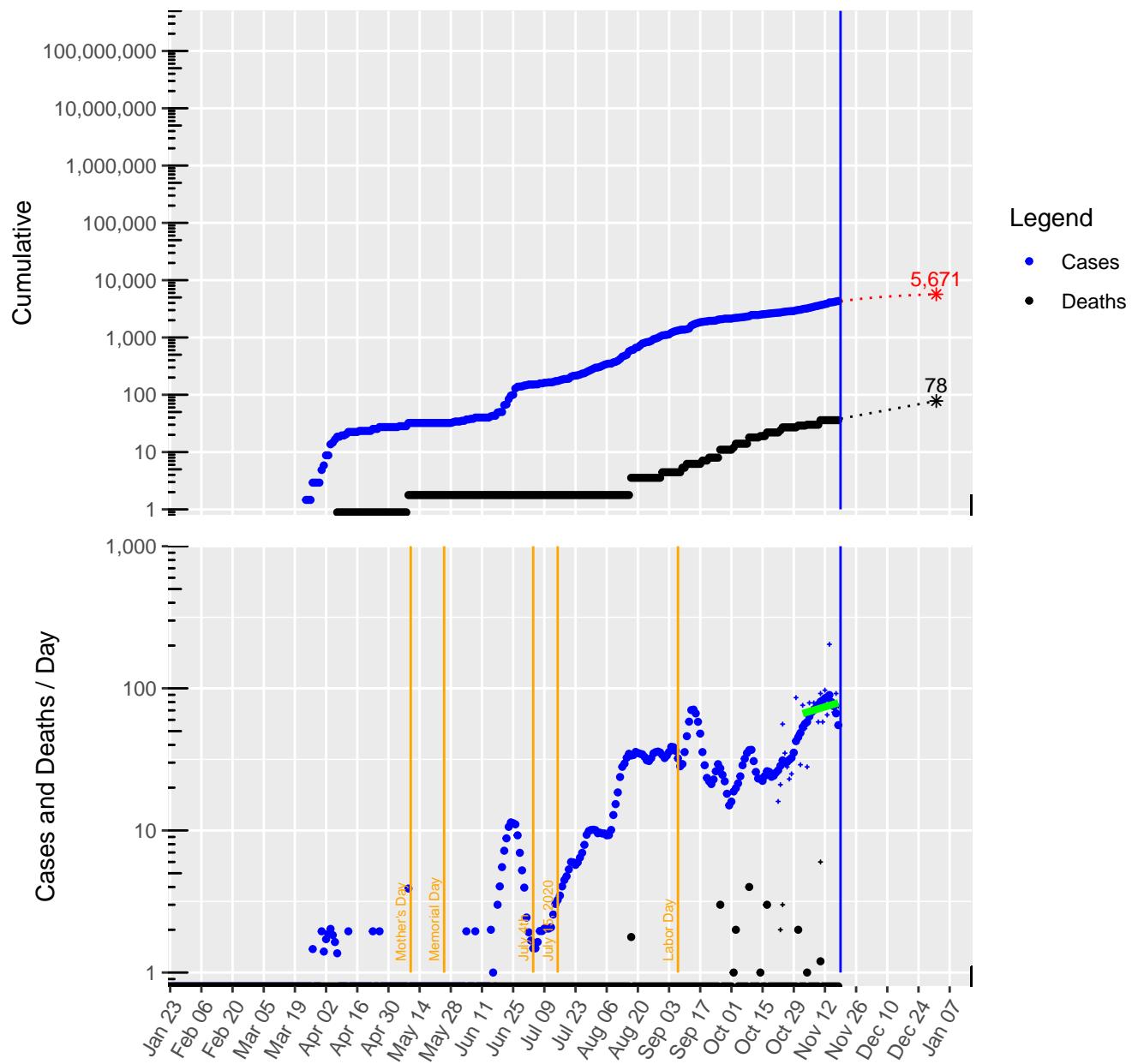
Summit County, Utah projection as of 2020-11-19



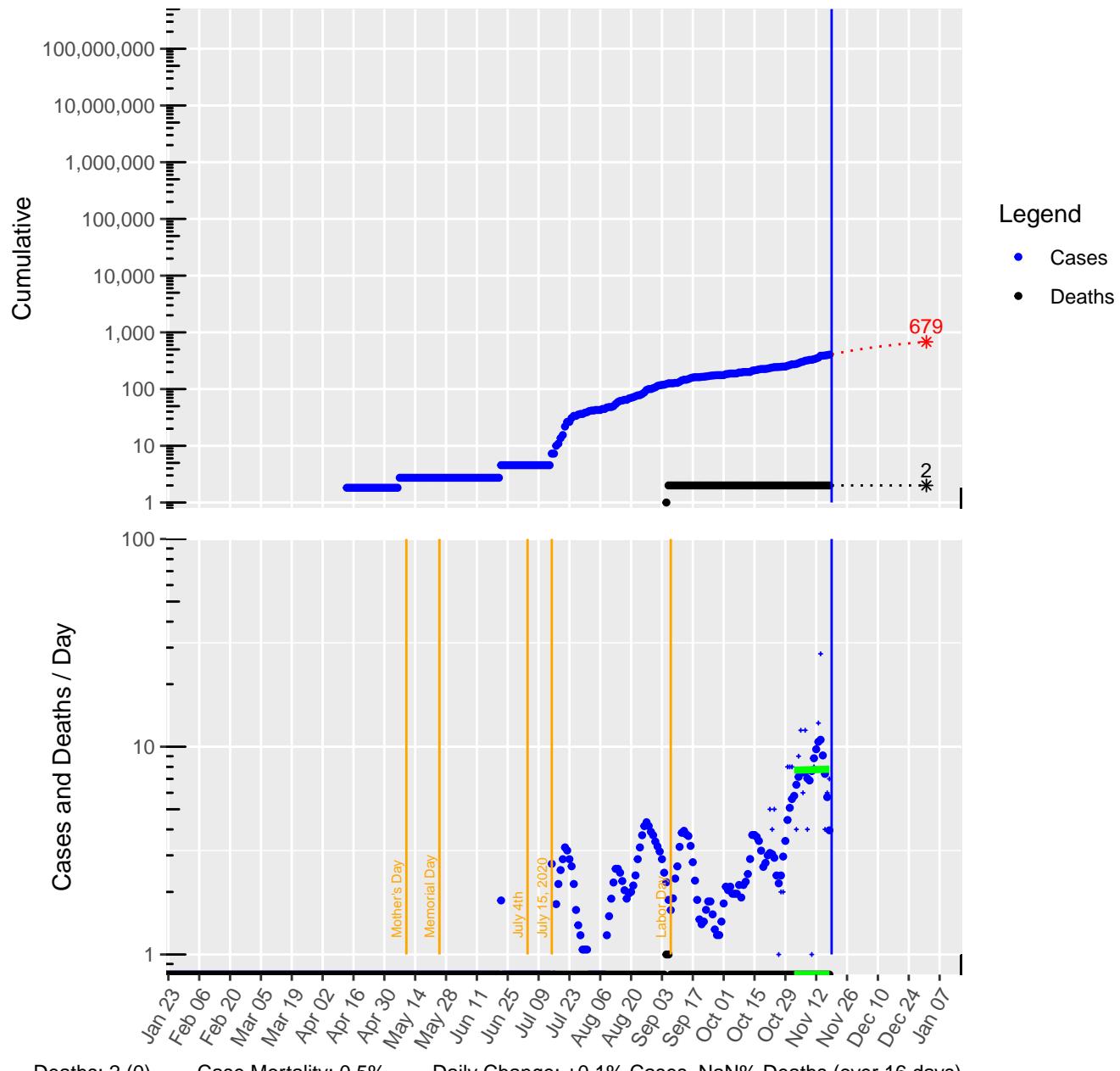
De Soto Parish, Louisiana projection as of 2020-11-19



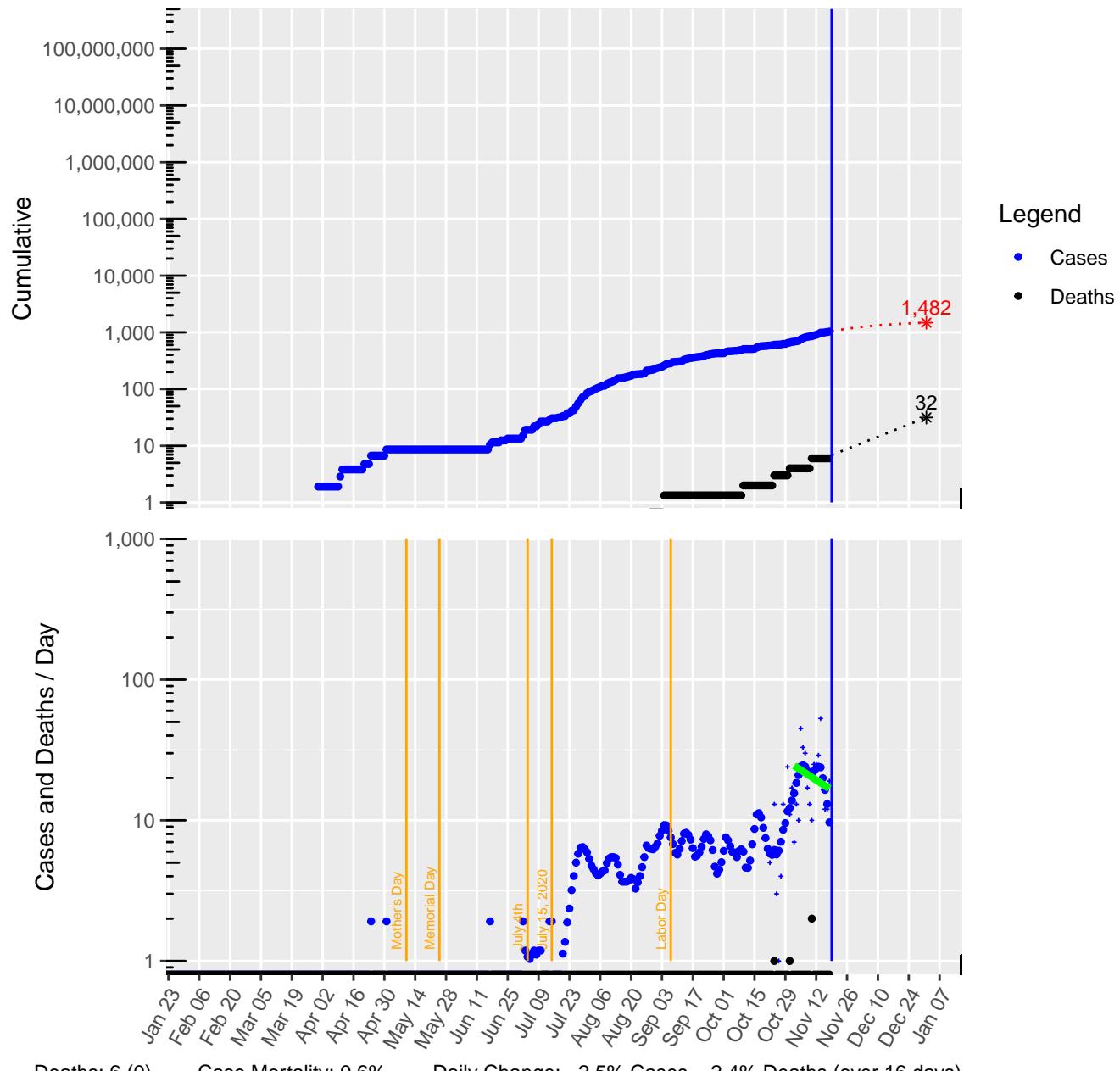
St. Francois County, Missouri projection as of 2020-11-19



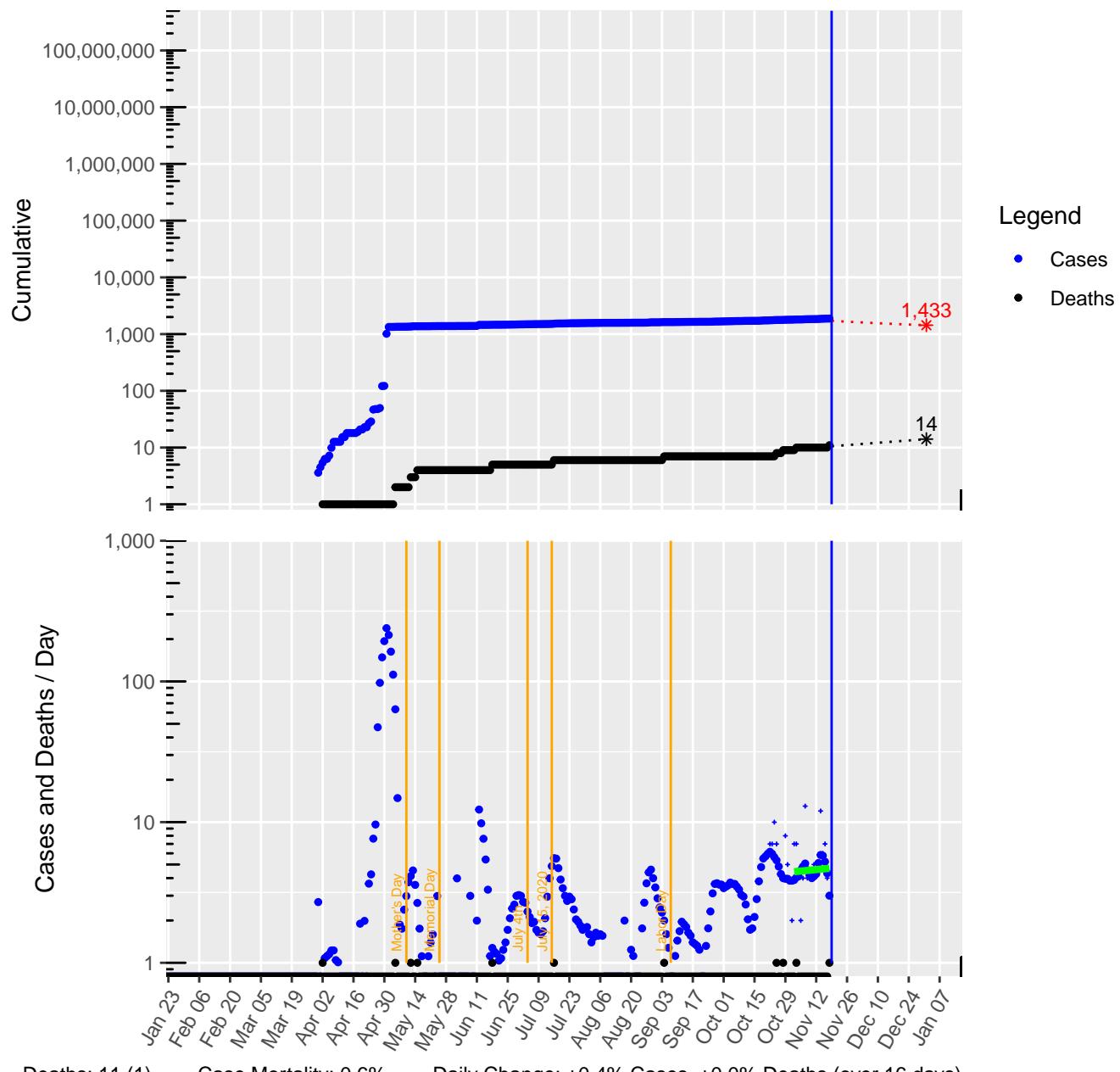
Howard County, Missouri projection as of 2020-11-19



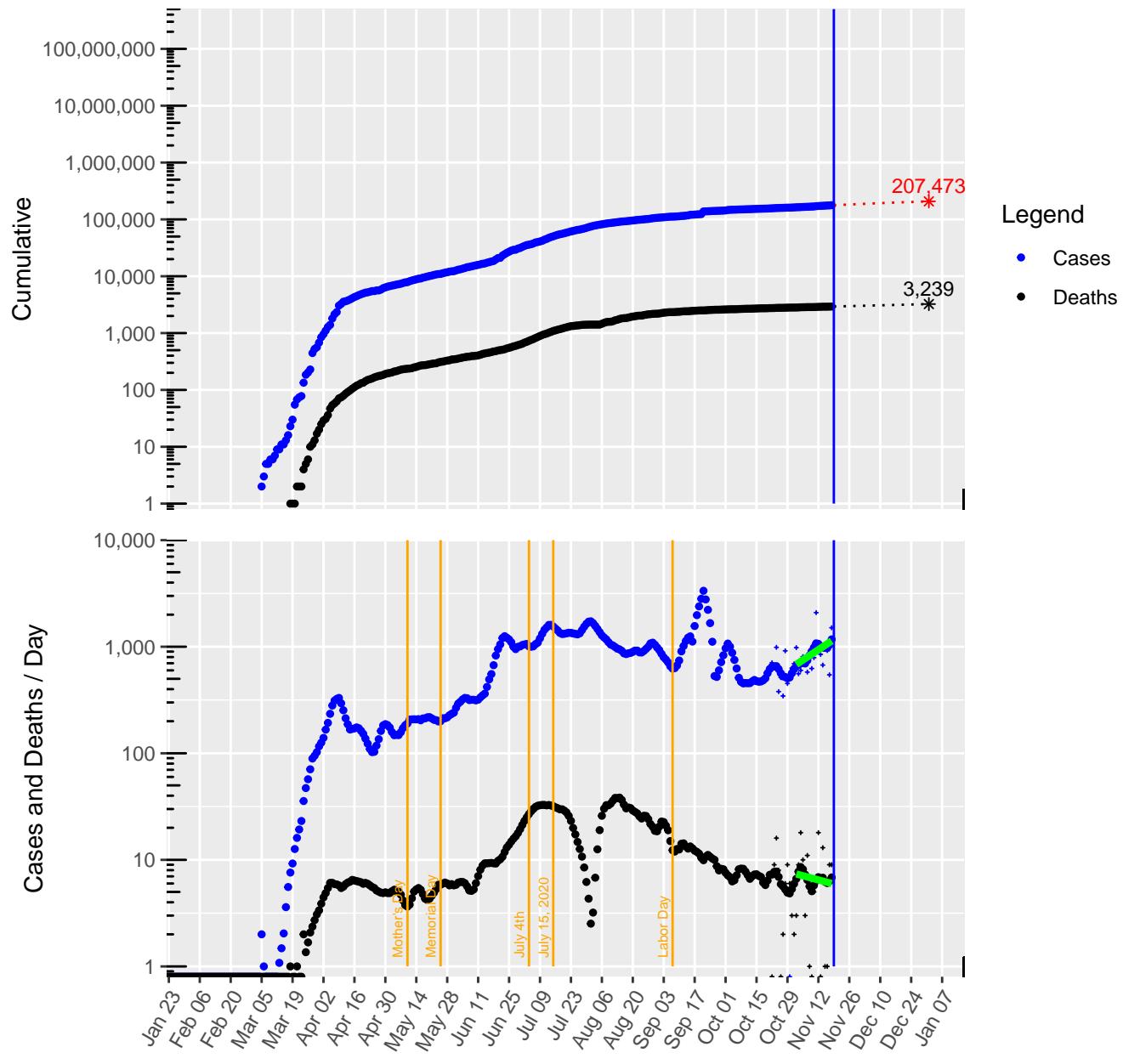
Cooper County, Missouri projection as of 2020-11-19



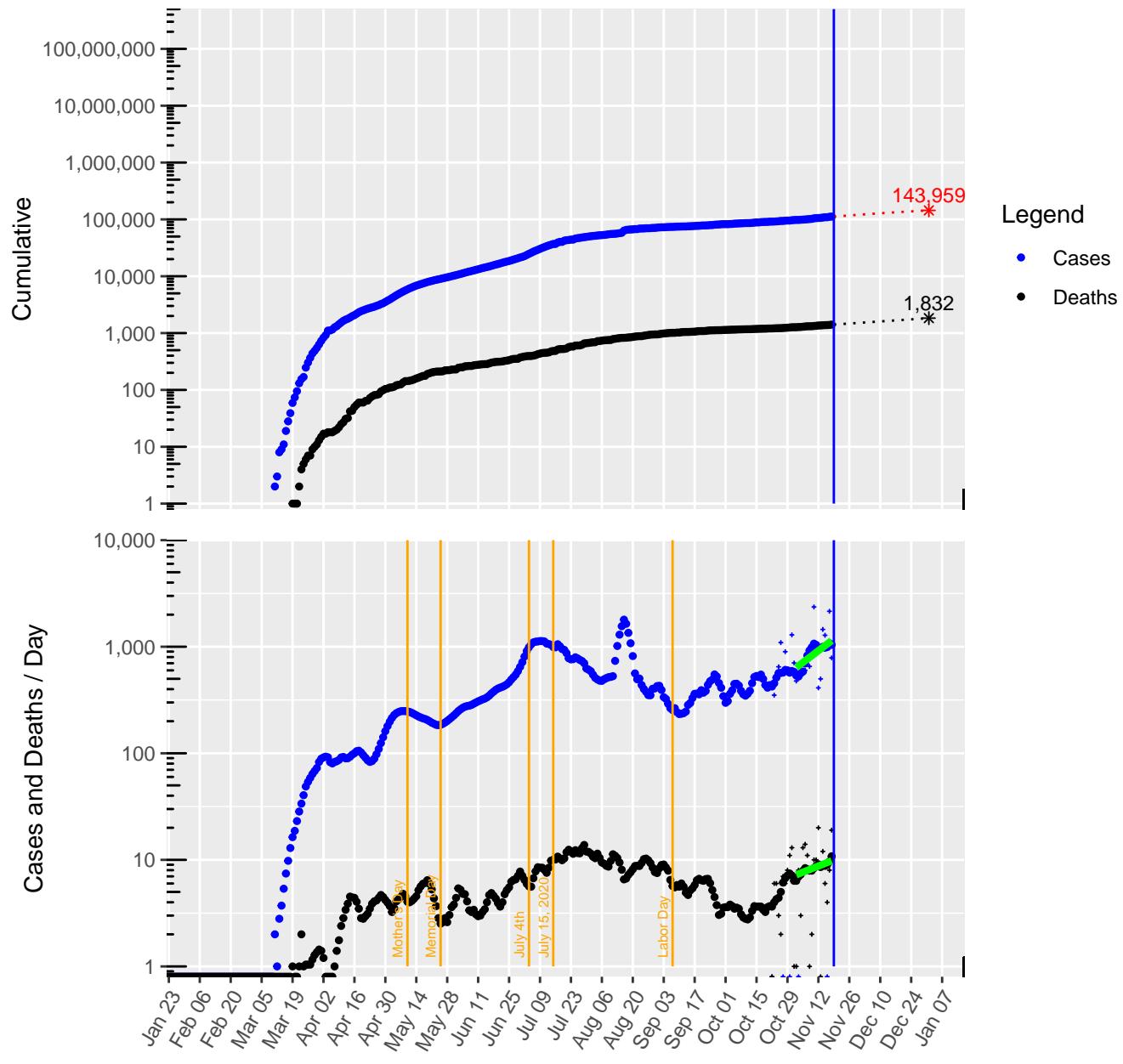
Trousdale County, Tennessee projection as of 2020-11-19



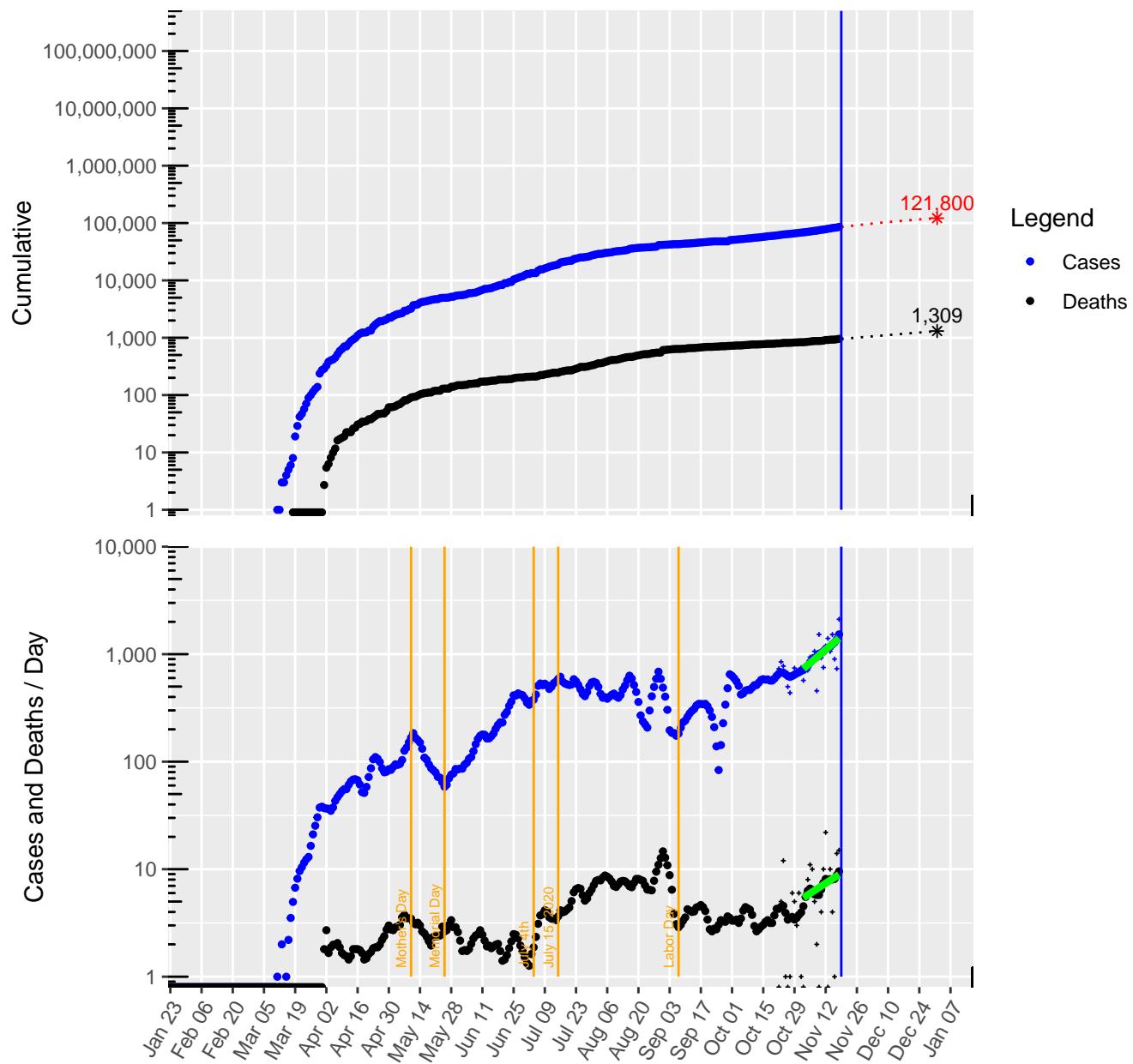
Harris County (Houston) projection as of 2020-11-19



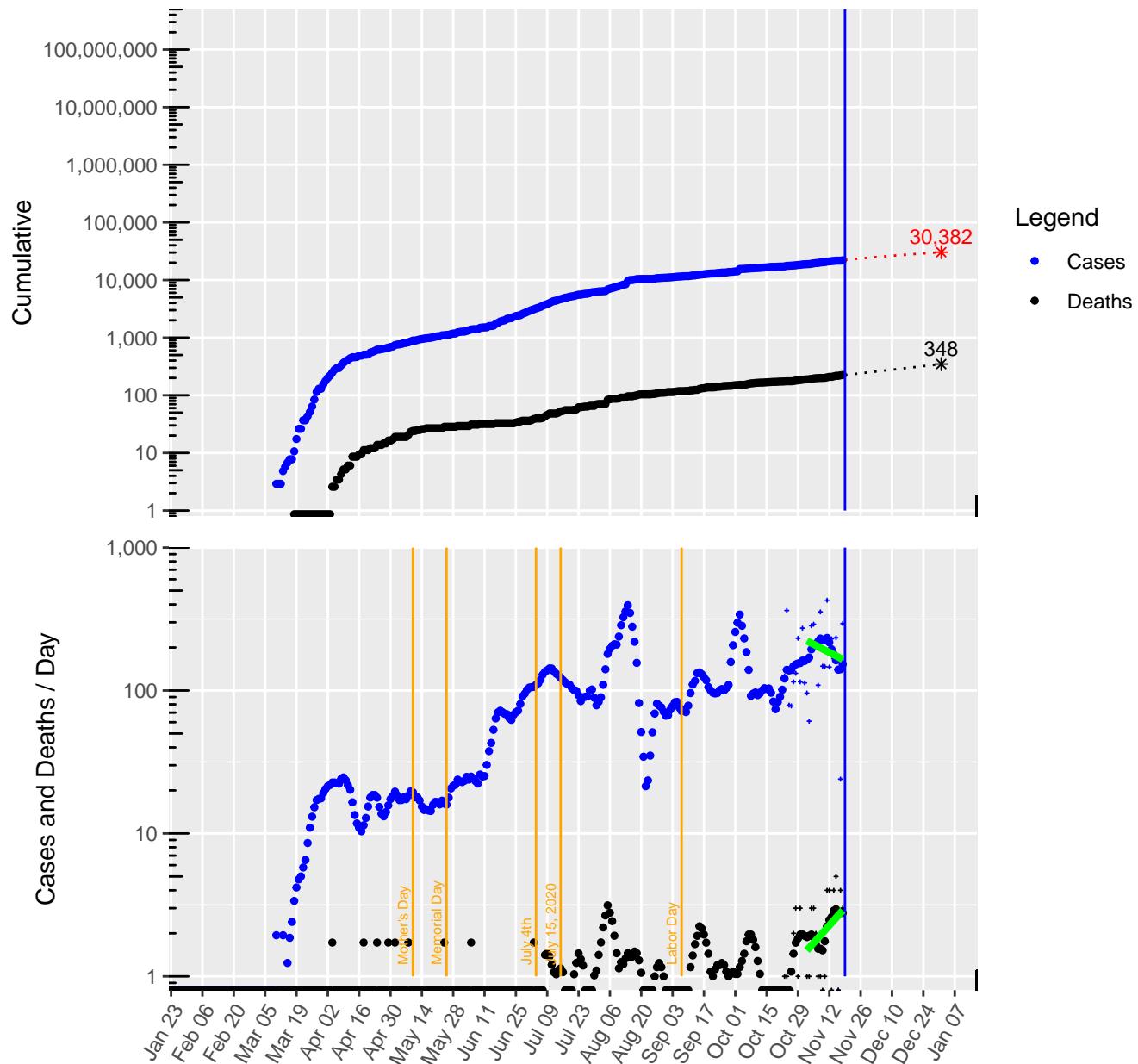
Dallas, Texas projection as of 2020-11-19



Tarrant County (Fort Worth) projection as of 2020-11-19

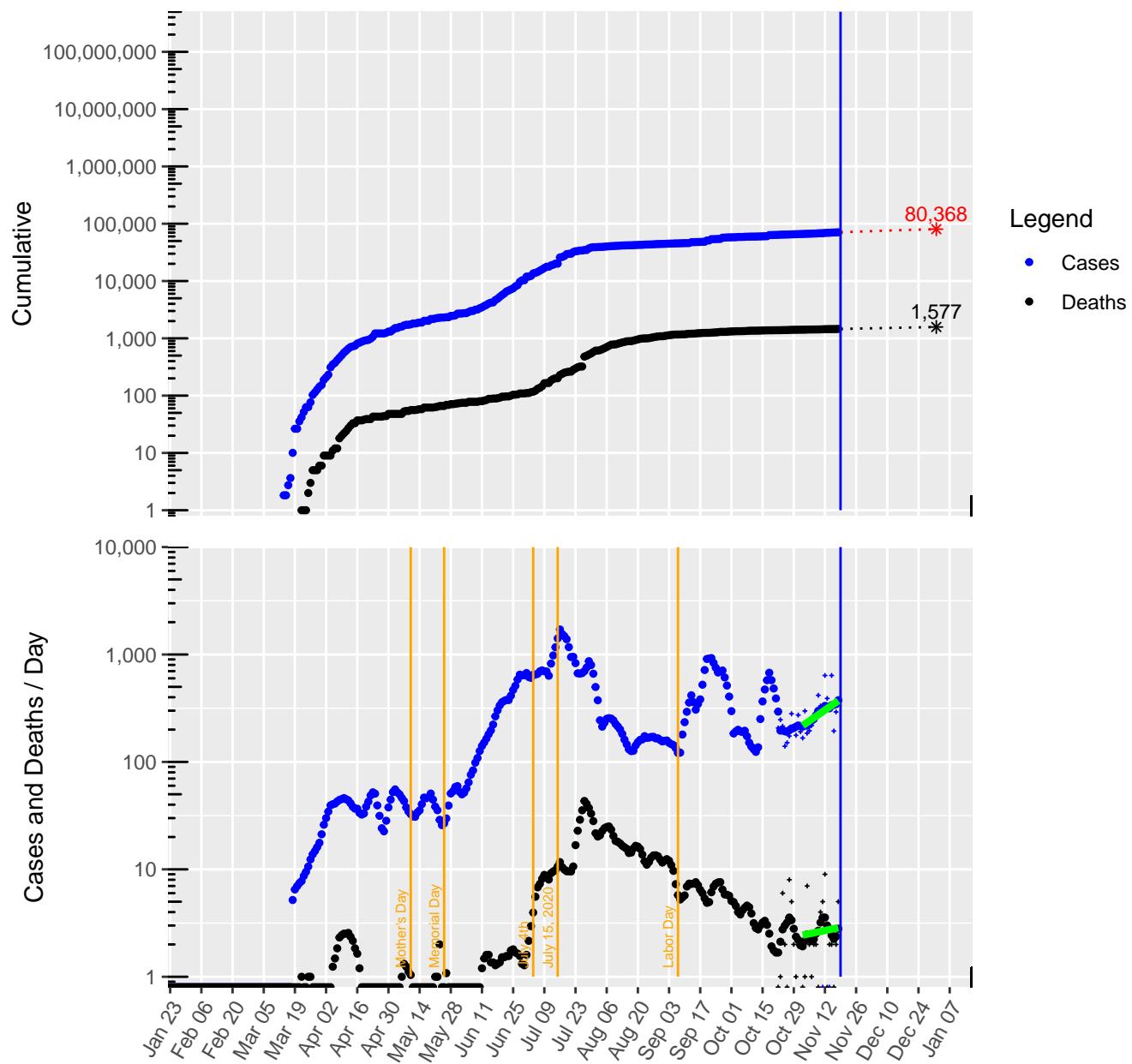


Collin County, Texas projection as of 2020-11-19

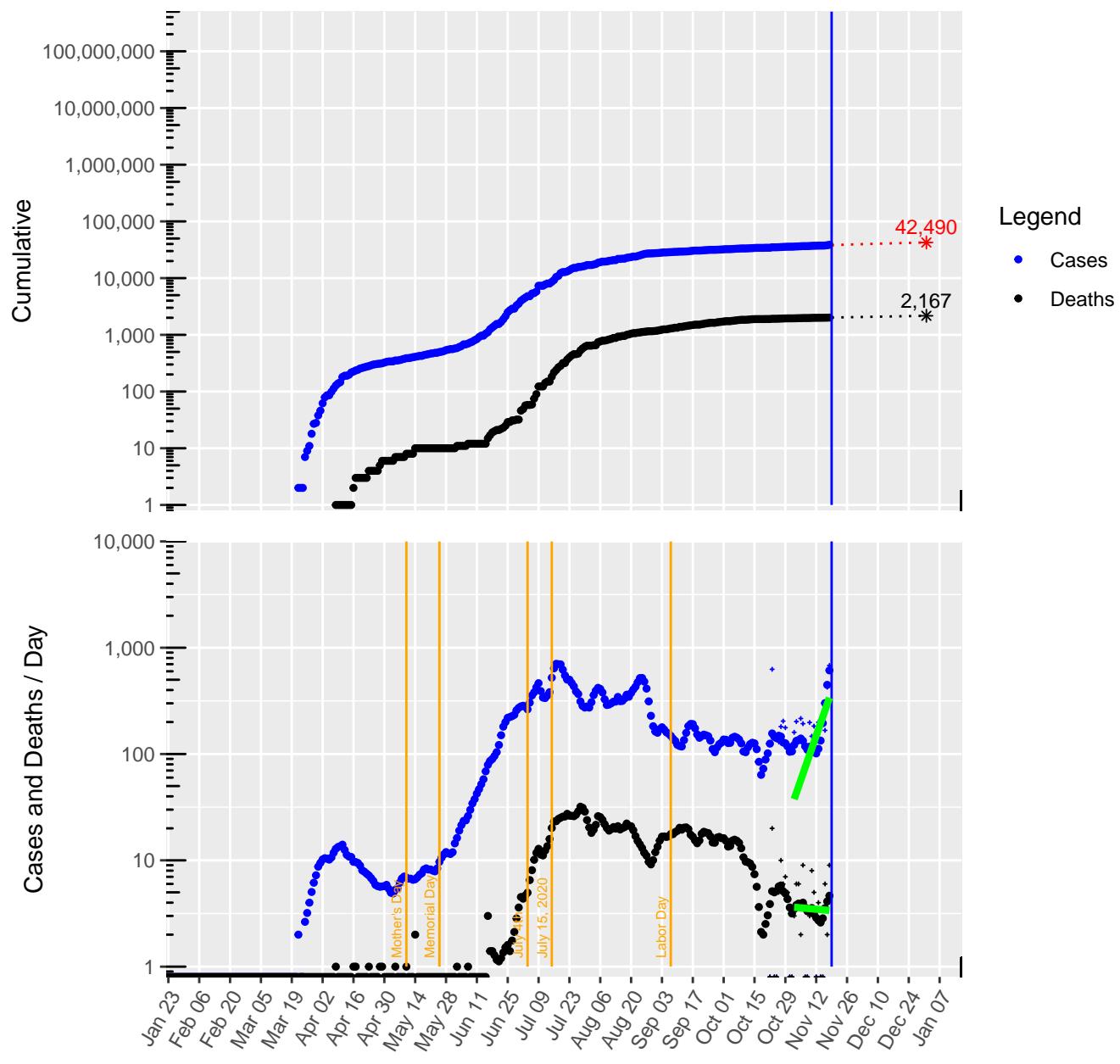


Deaths: 225 (3) --- Case Mortality: 1.0% --- Daily Change: -2.0% Cases, +4.2% Deaths (over 16 days)

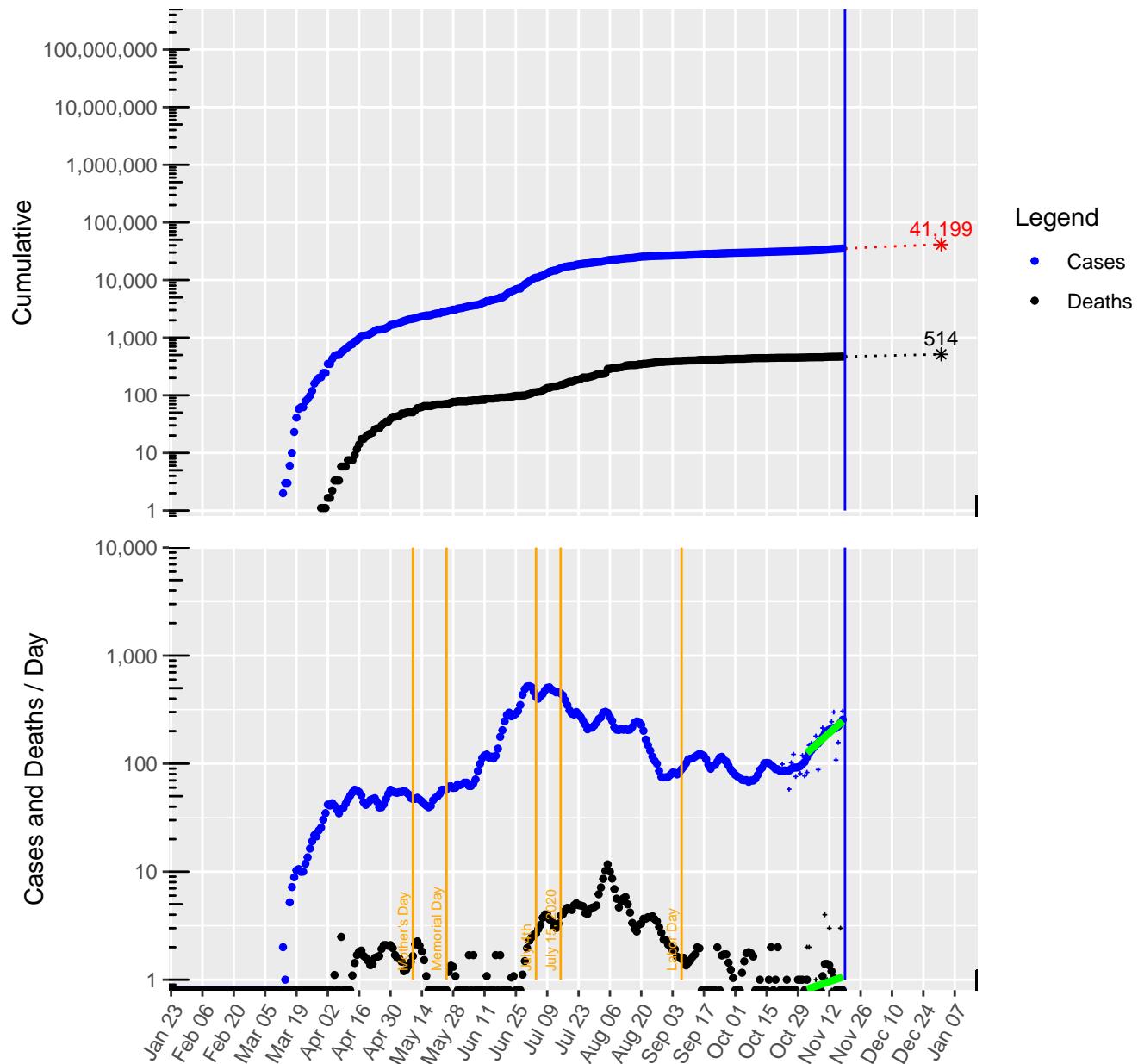
Bexar County (San Antonio) projection as of 2020-11-19



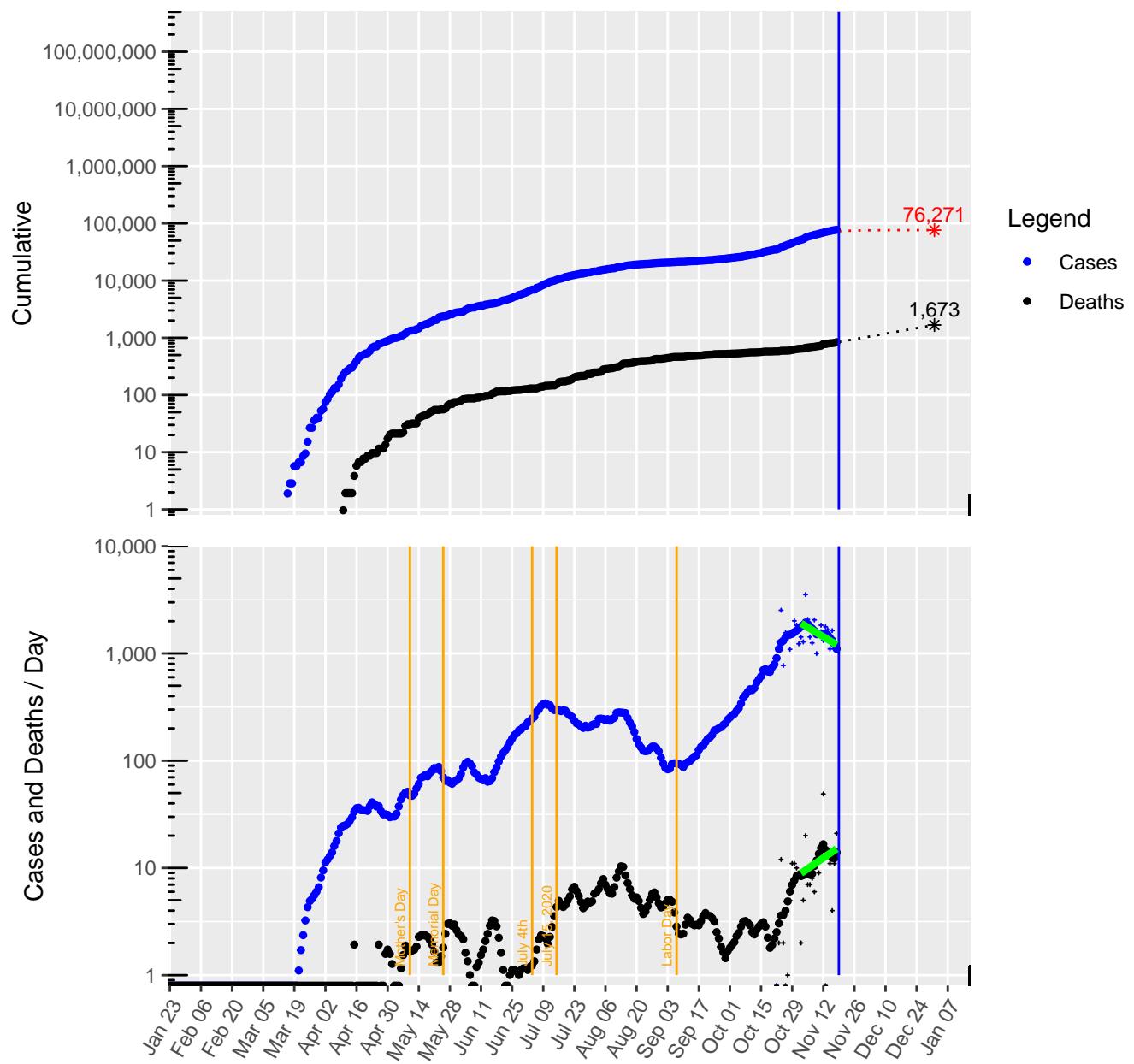
Hidalgo County, Texas projection as of 2020-11-19



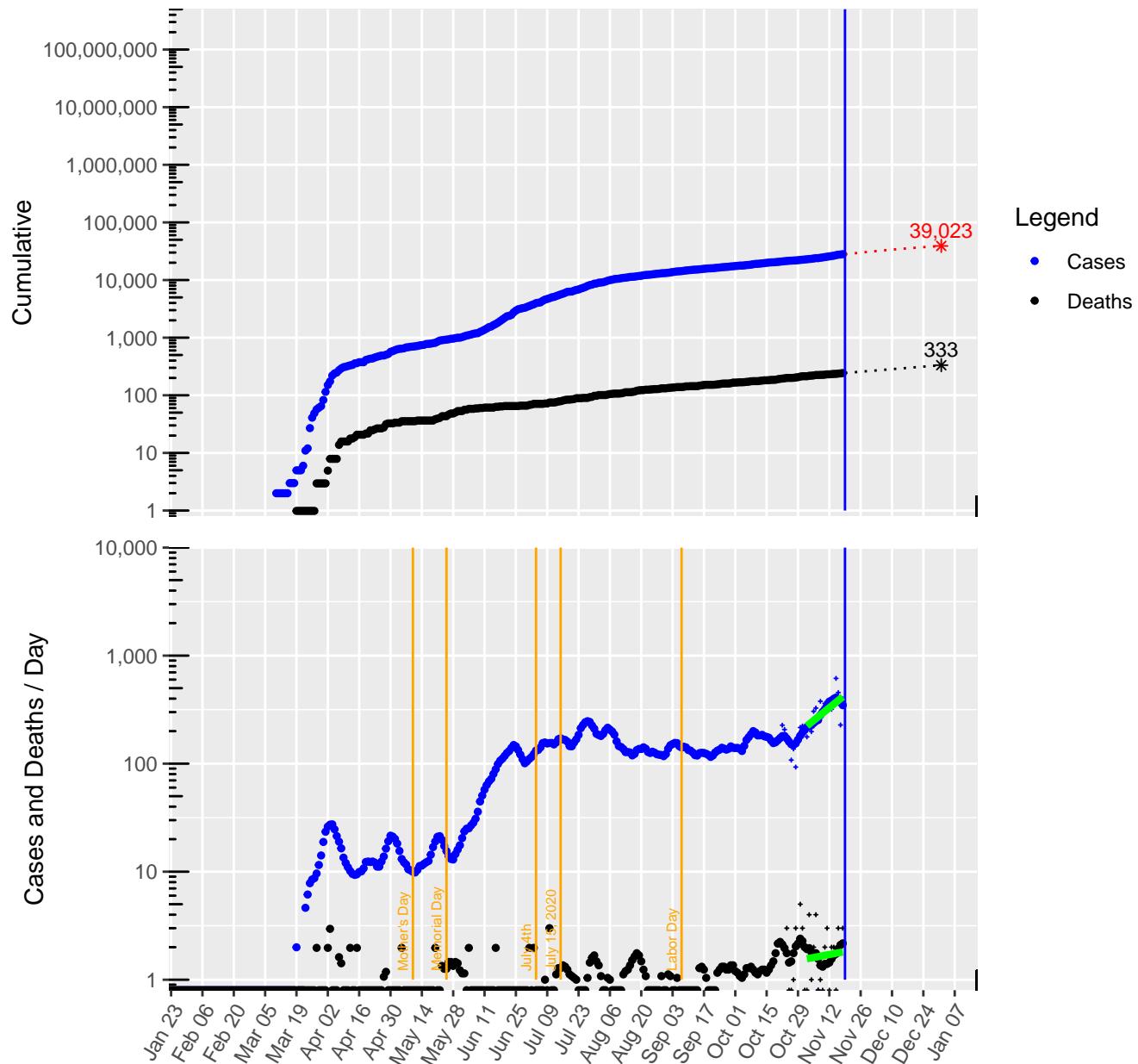
Travis County (Austin) projection as of 2020-11-19



El Paso County, Texas projection as of 2020-11-19

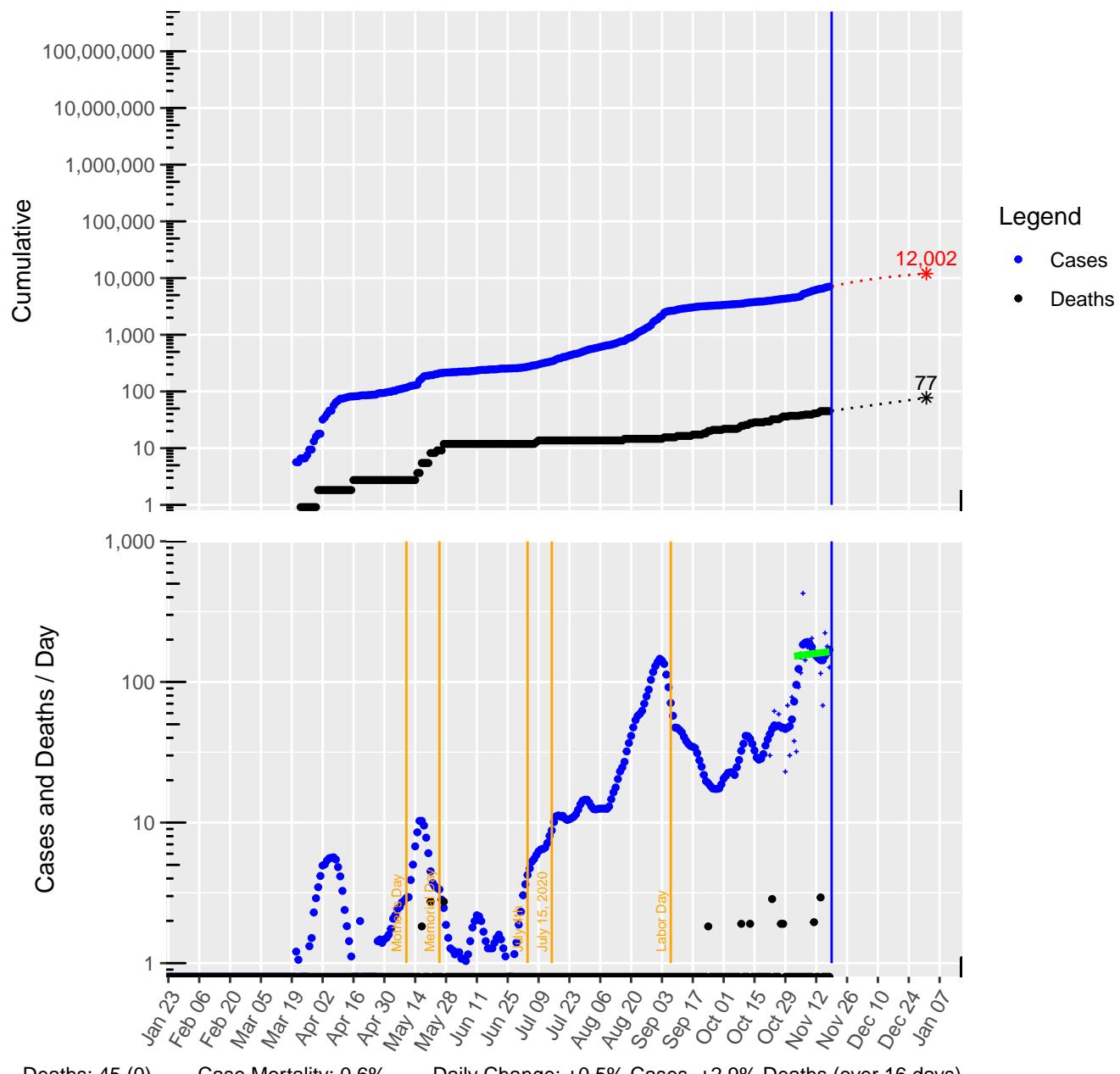


Tulsa County, Oklahoma projection as of 2020-11-19

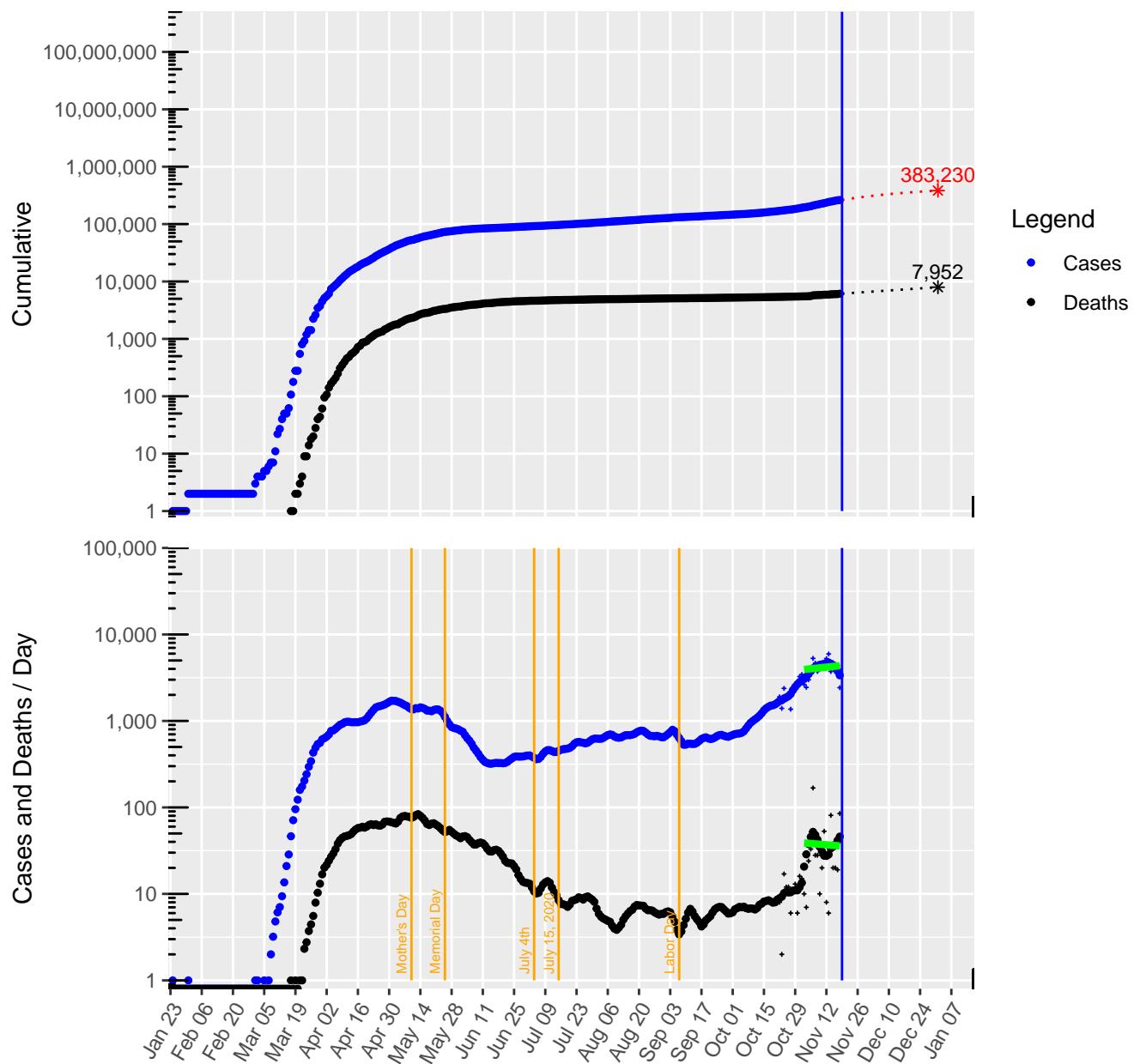


Deaths: 243 (3) --- Case Mortality: 0.9% --- Daily Change: +4.0% Cases, +1.0% Deaths (over 16 days)

McLean County, Illinois projection as of 2020-11-19

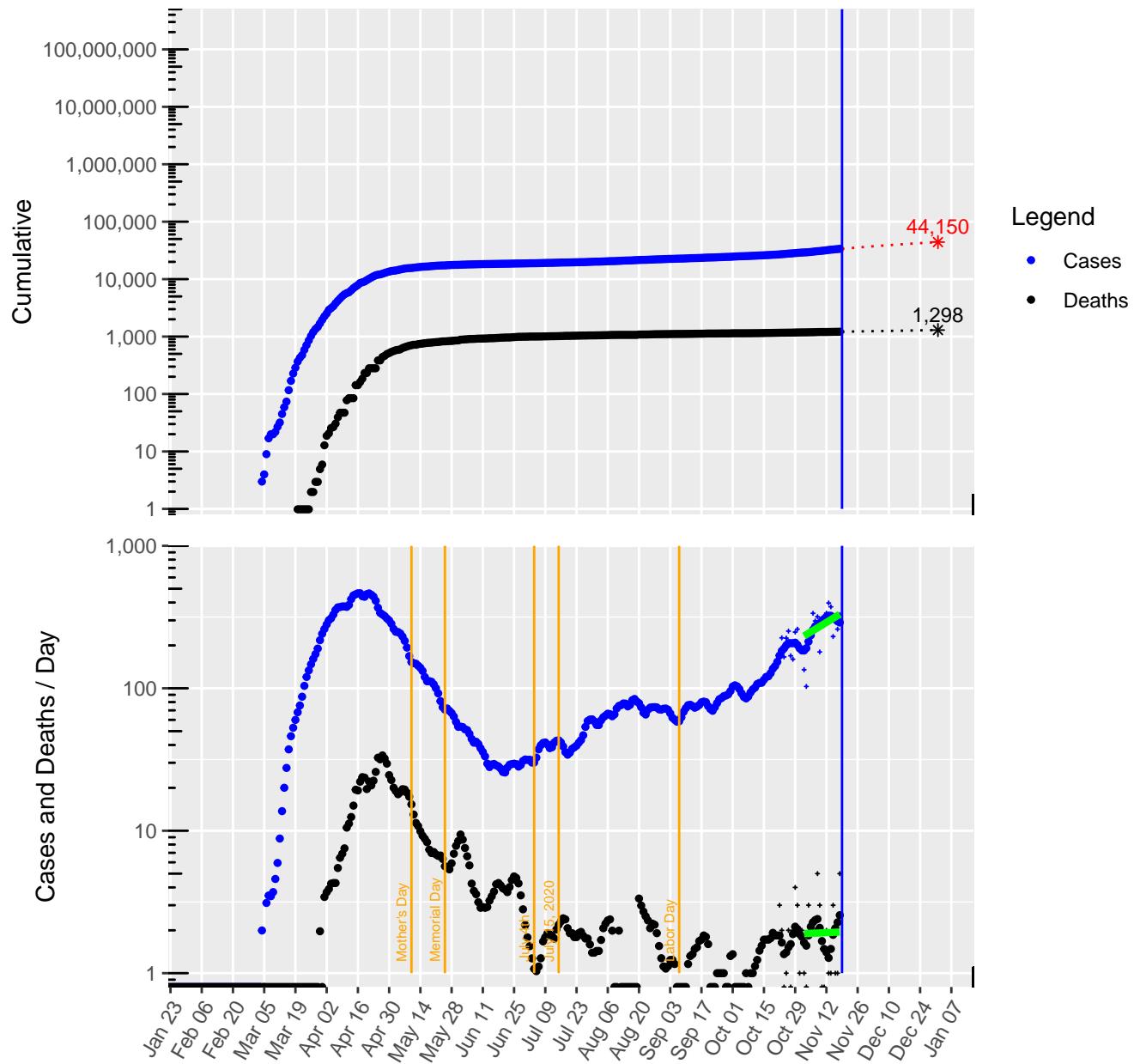


Cook County, Illinois projection as of 2020-11-19

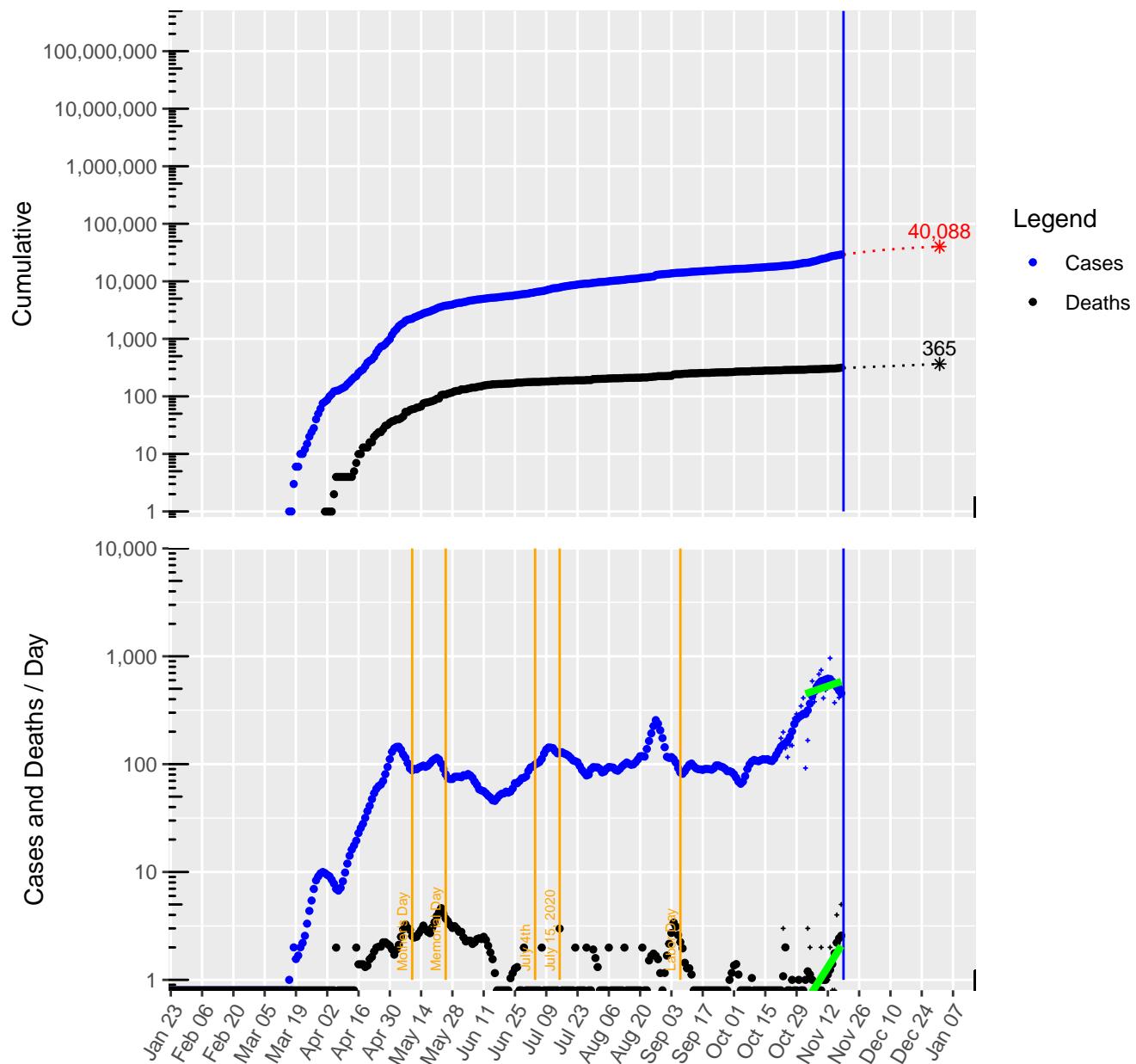


Deaths: 6,120 (85) — Case Mortality: 2.3% — Daily Change: +0.7% Cases, -0.5% Deaths (over 16 days)

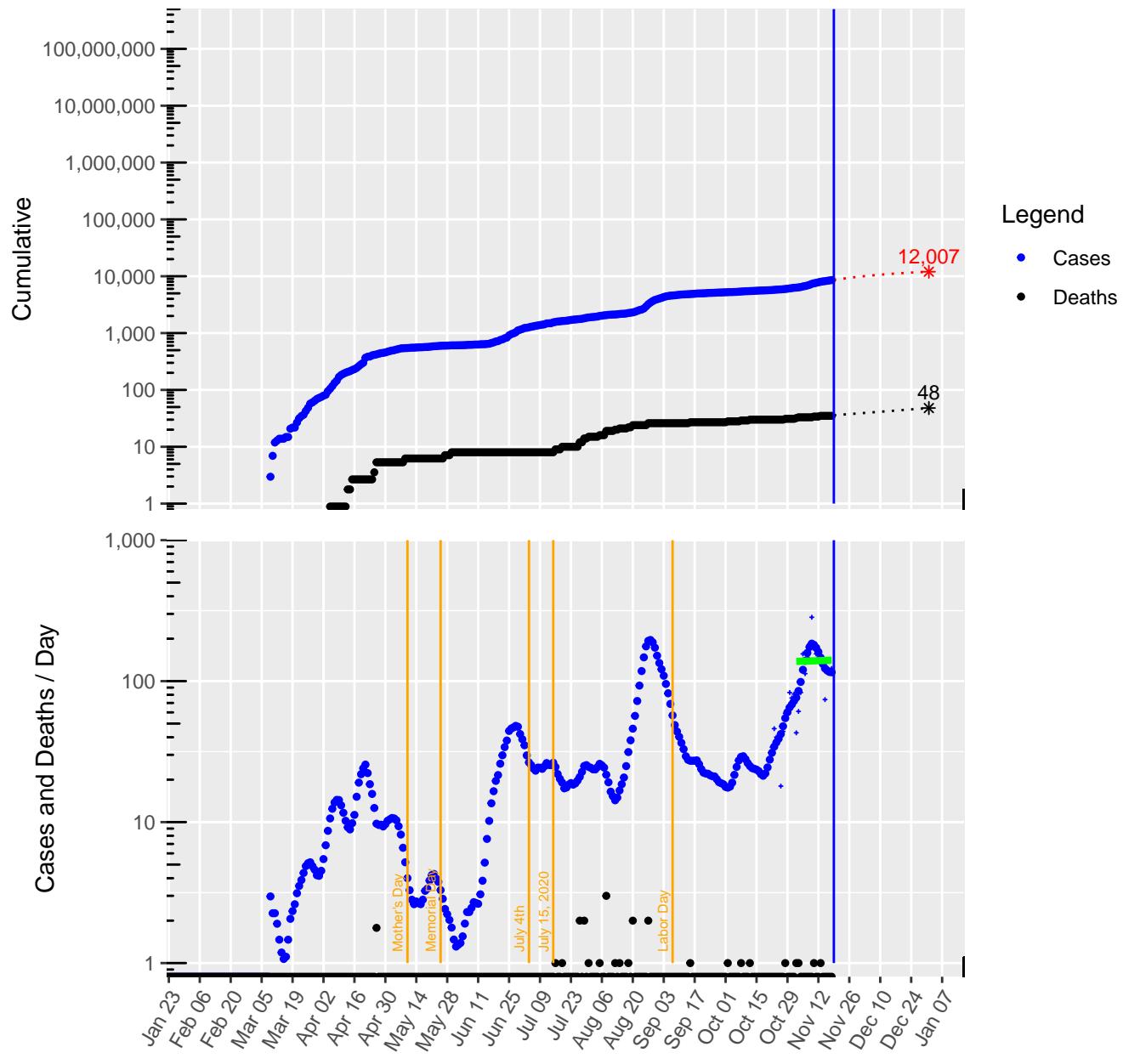
Suffolk County (Boston) projection as of 2020-11-19



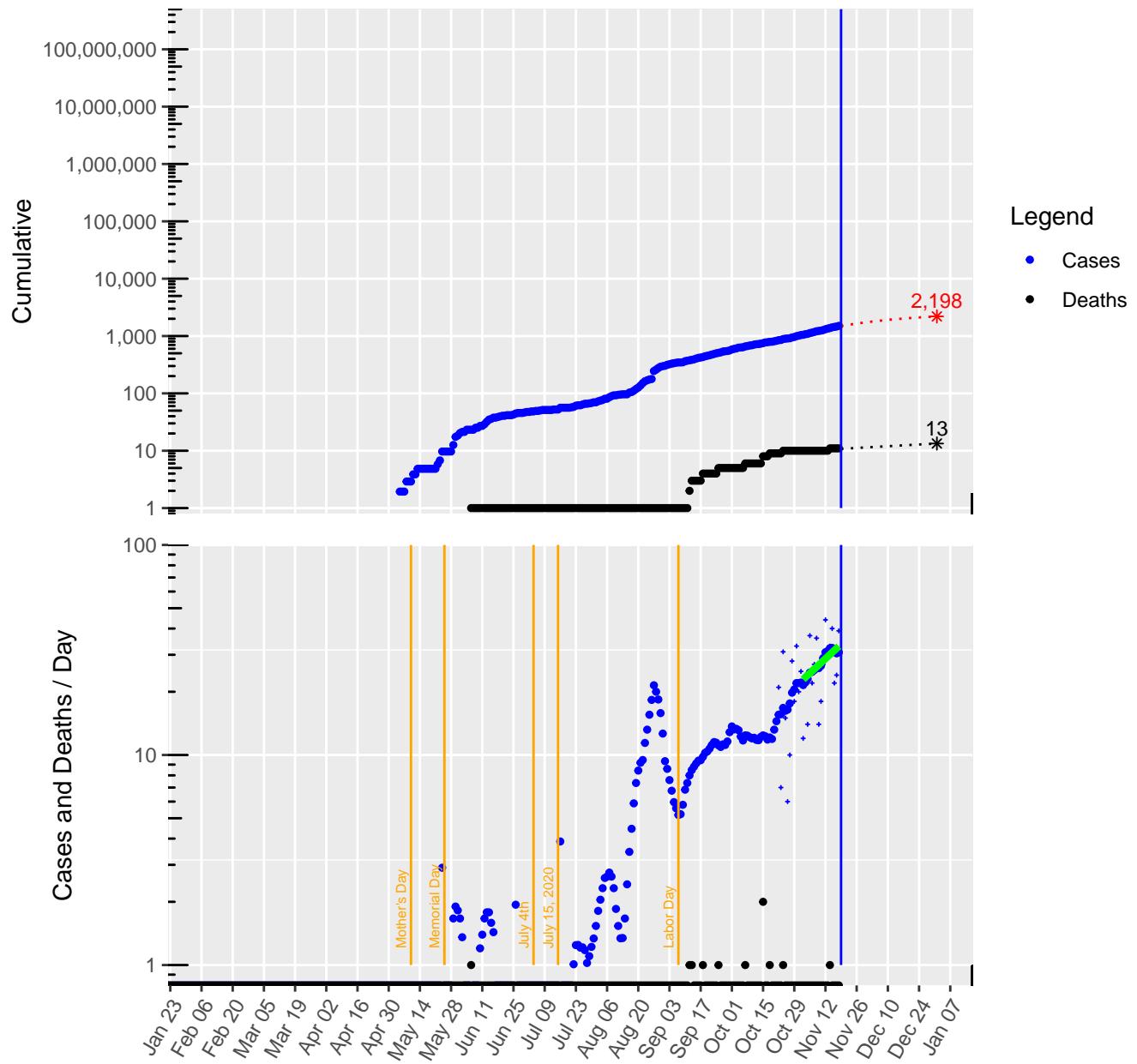
Polk County, Iowa projection as of 2020-11-19



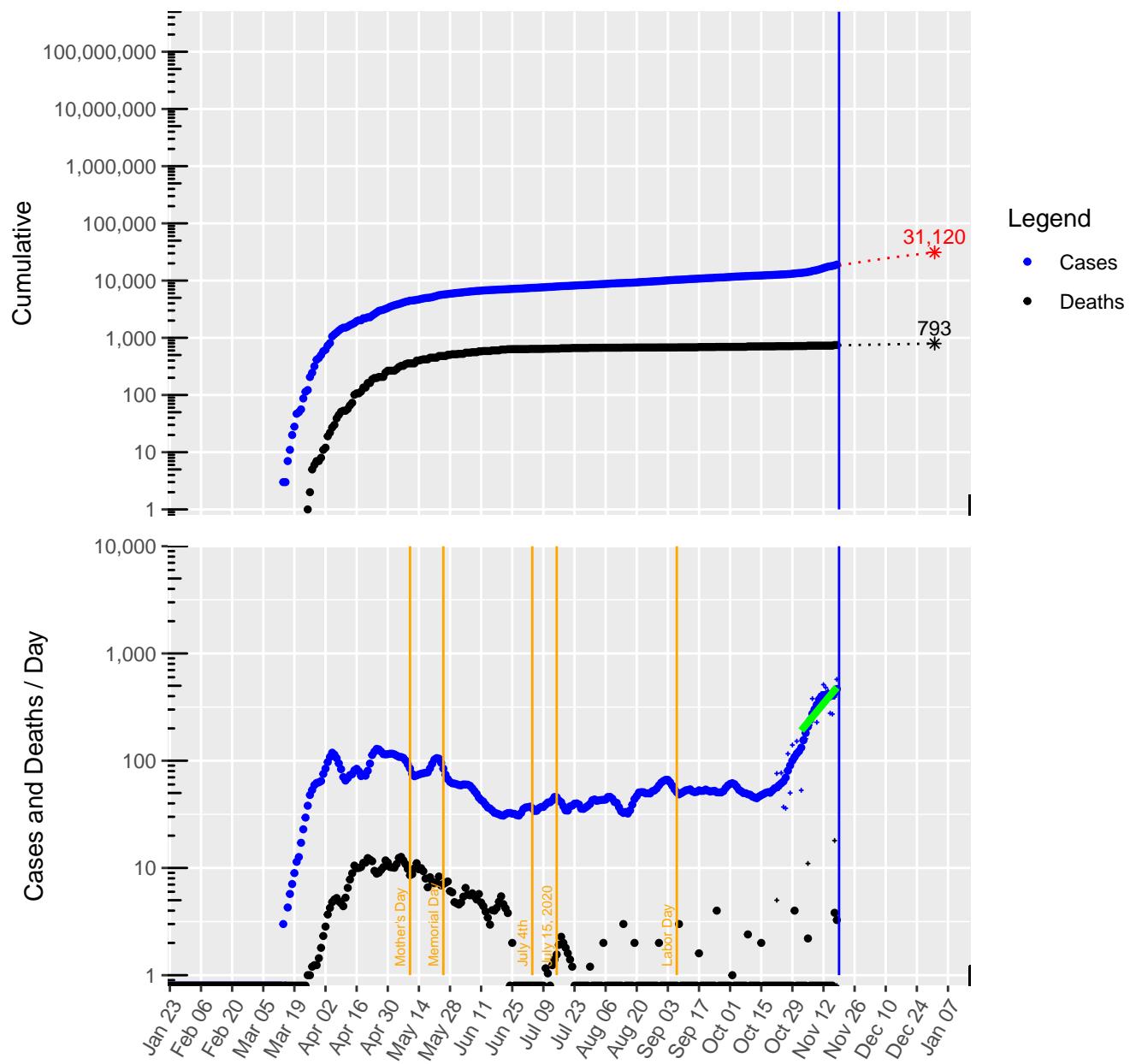
Johnson County, Iowa projection as of 2020-11-19



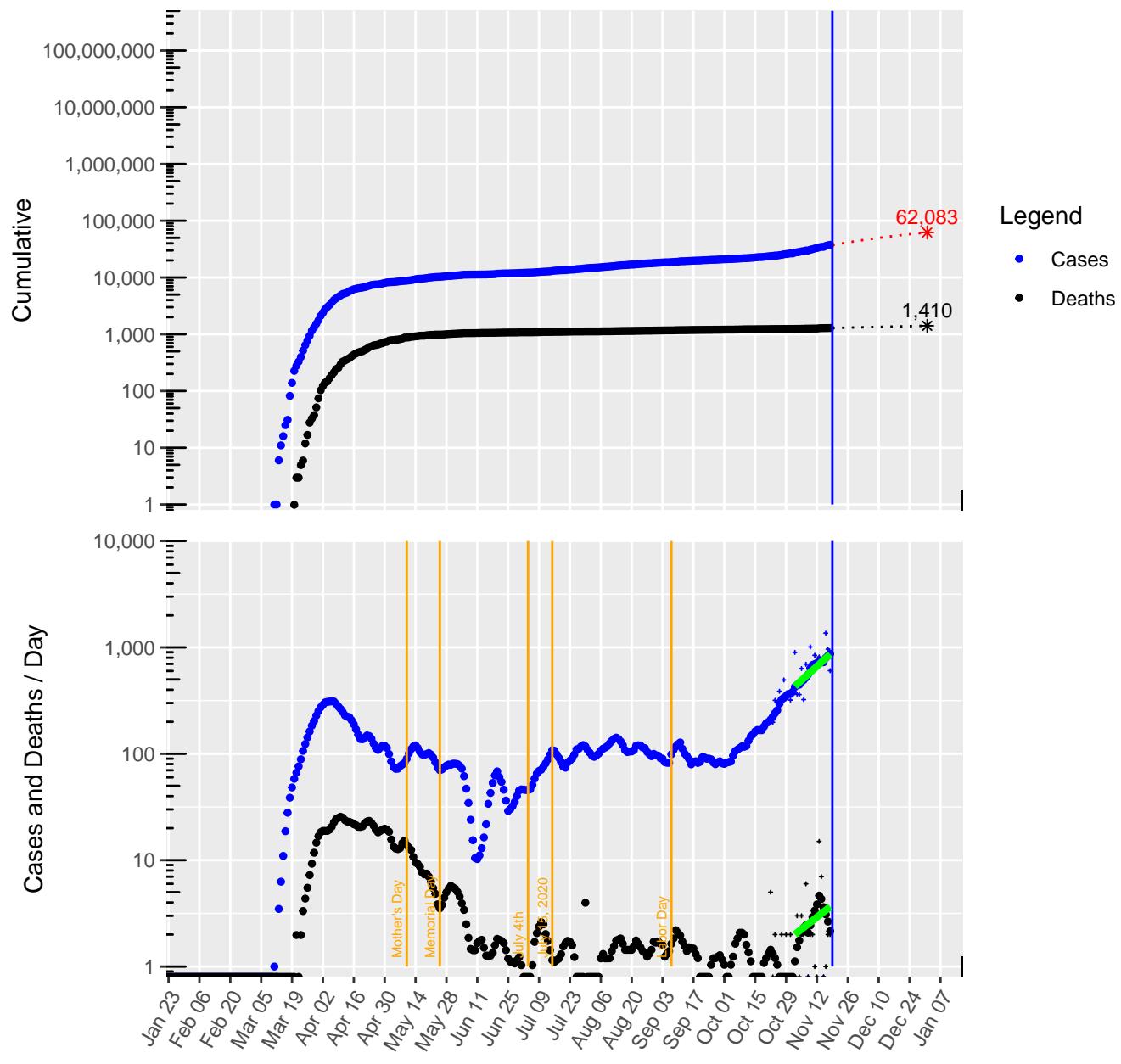
Meade County, South Dakota (Sturgis) projection as of 2020-11-19



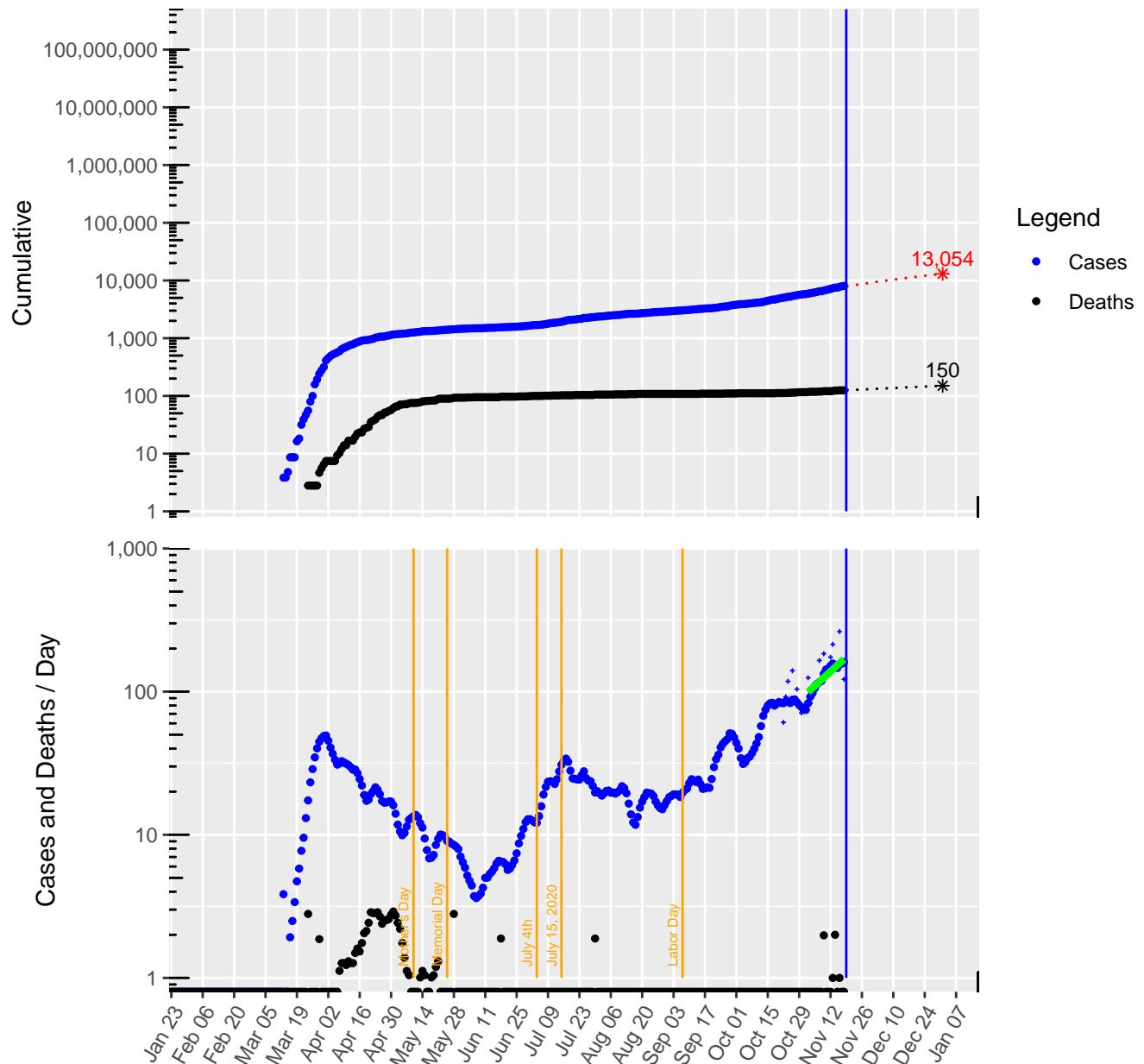
Erie County, New York projection as of 2020-11-19



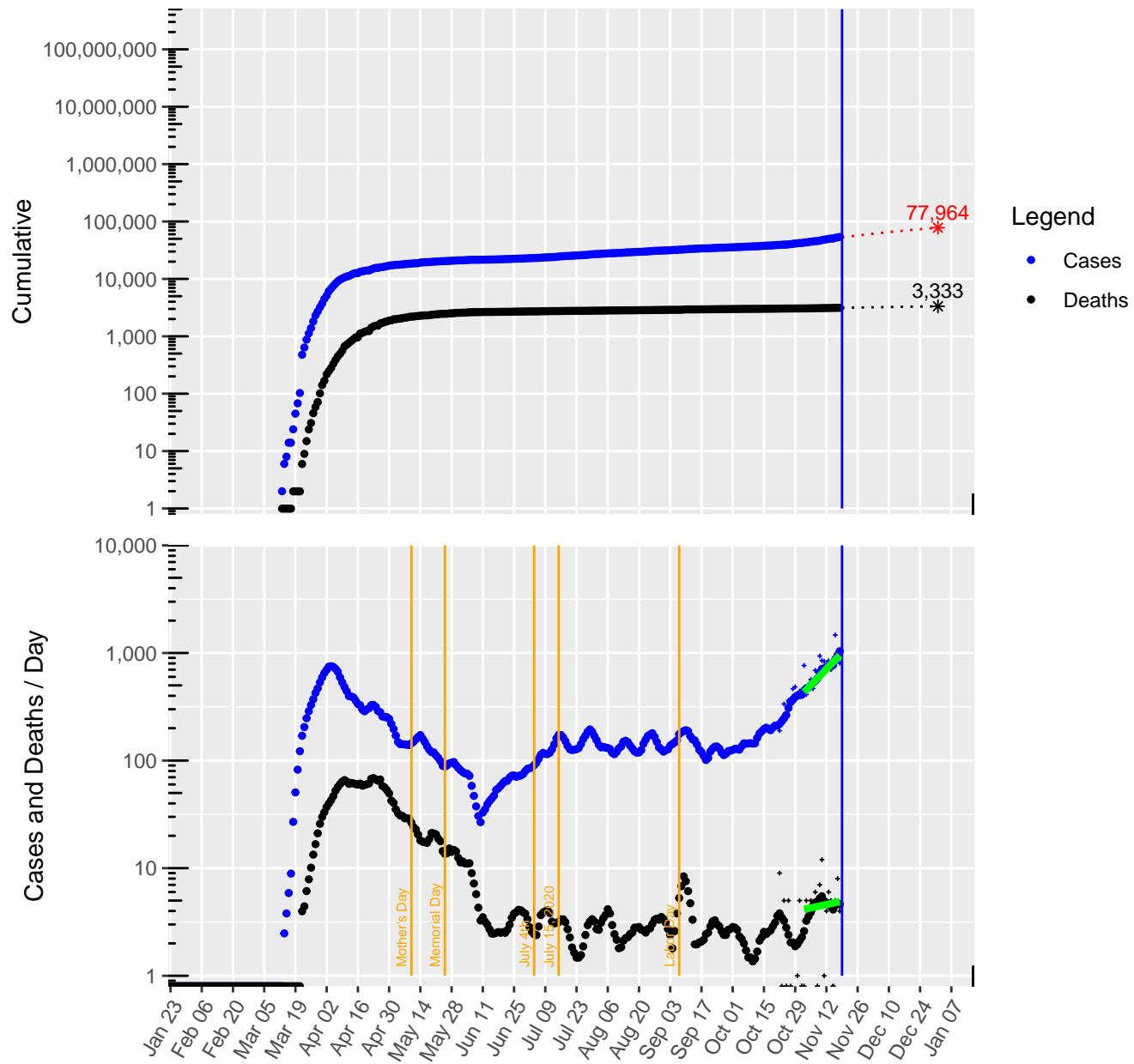
Oakland County, Michigan projection as of 2020-11-19



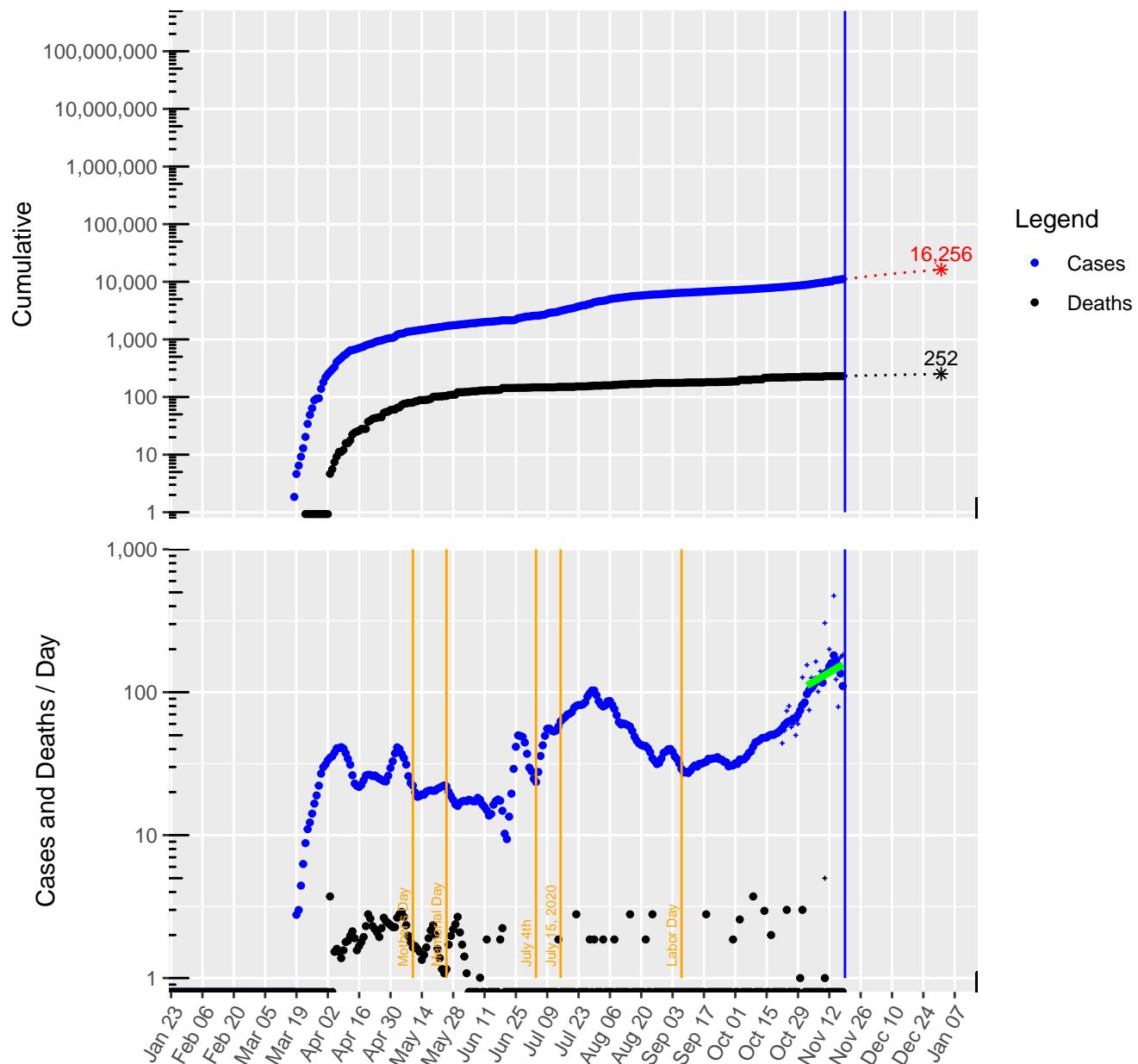
Washtenaw County, Michigan (Ann Arbor) projection as of 2020-11-19



Wayne County (Detroit) projection as of 2020-11-19

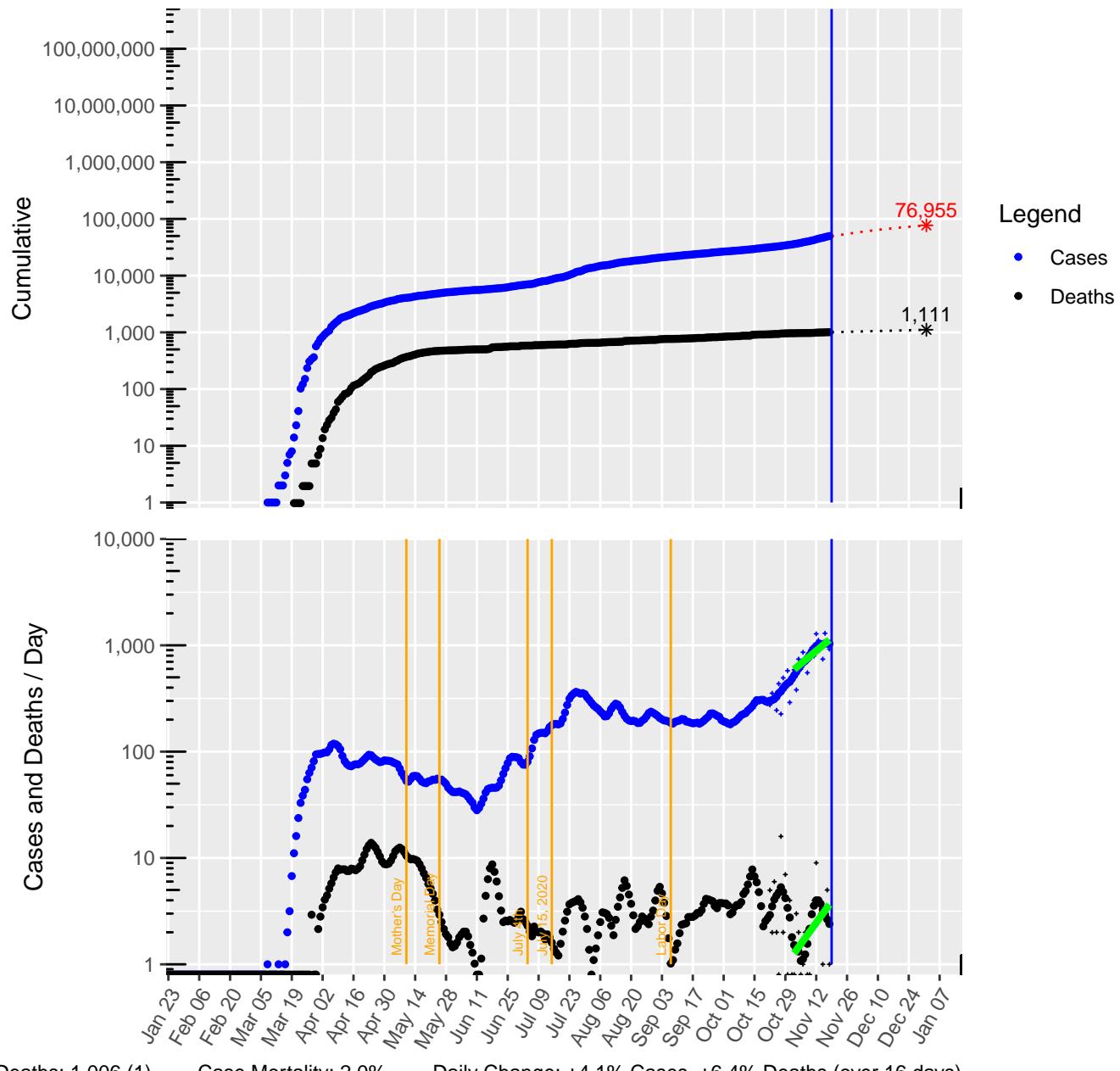


St. Louis (City) projection as of 2020-11-19

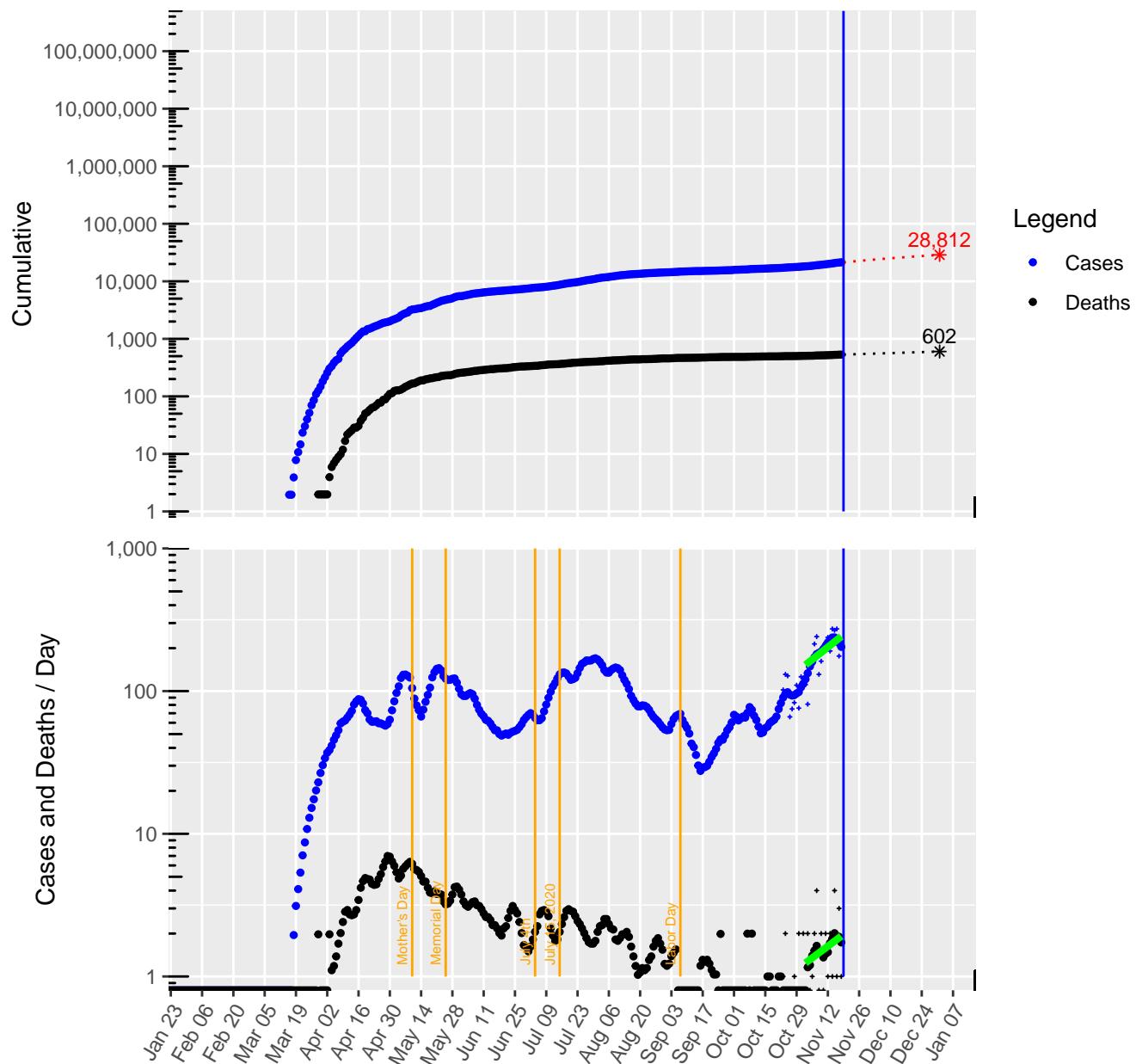


Deaths: 230 (0) — Case Mortality: 2.1% — Daily Change: +2.2% Cases, -2.4% Deaths (over 16 days)

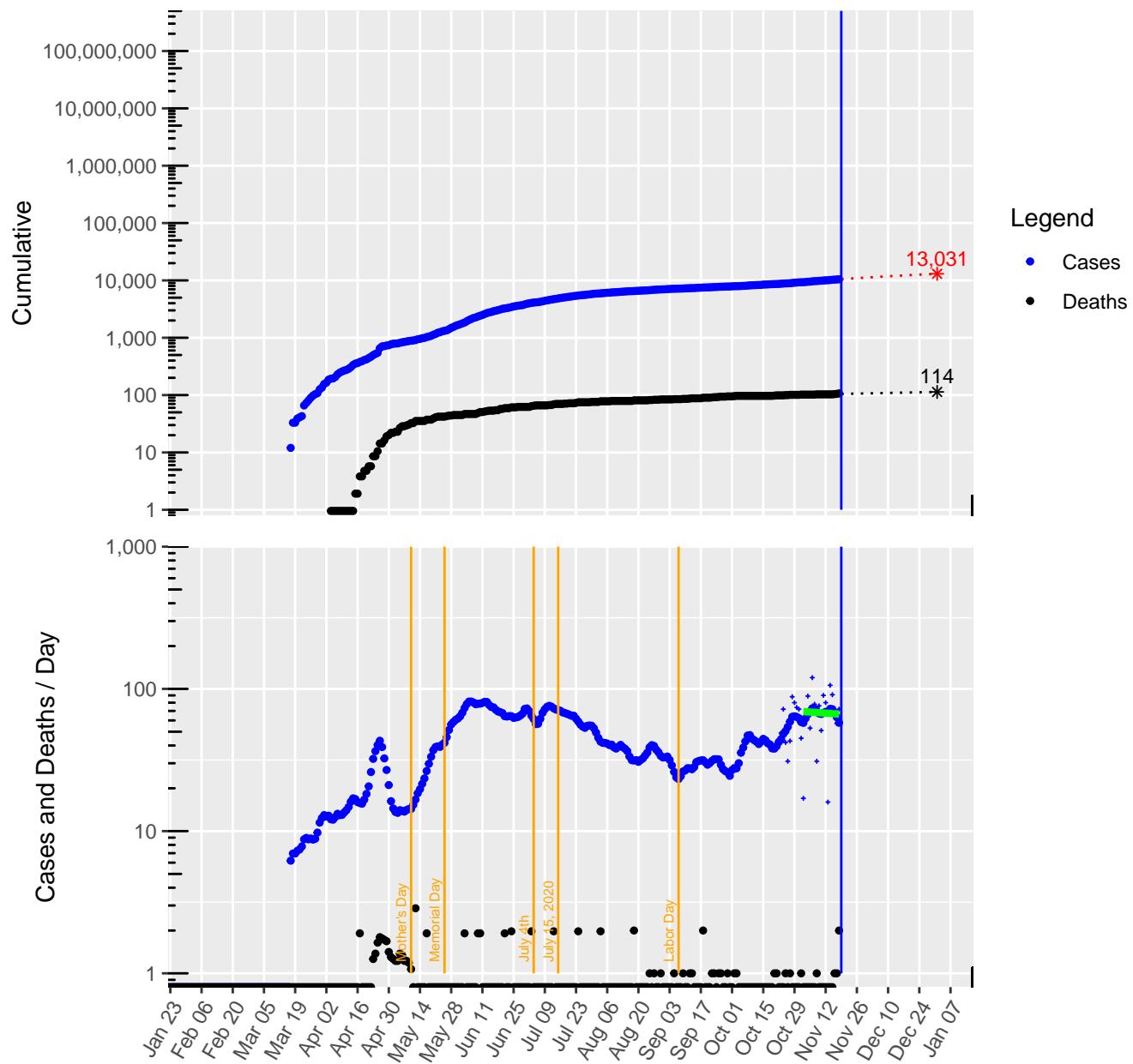
St. Louis (County) projection as of 2020-11-19



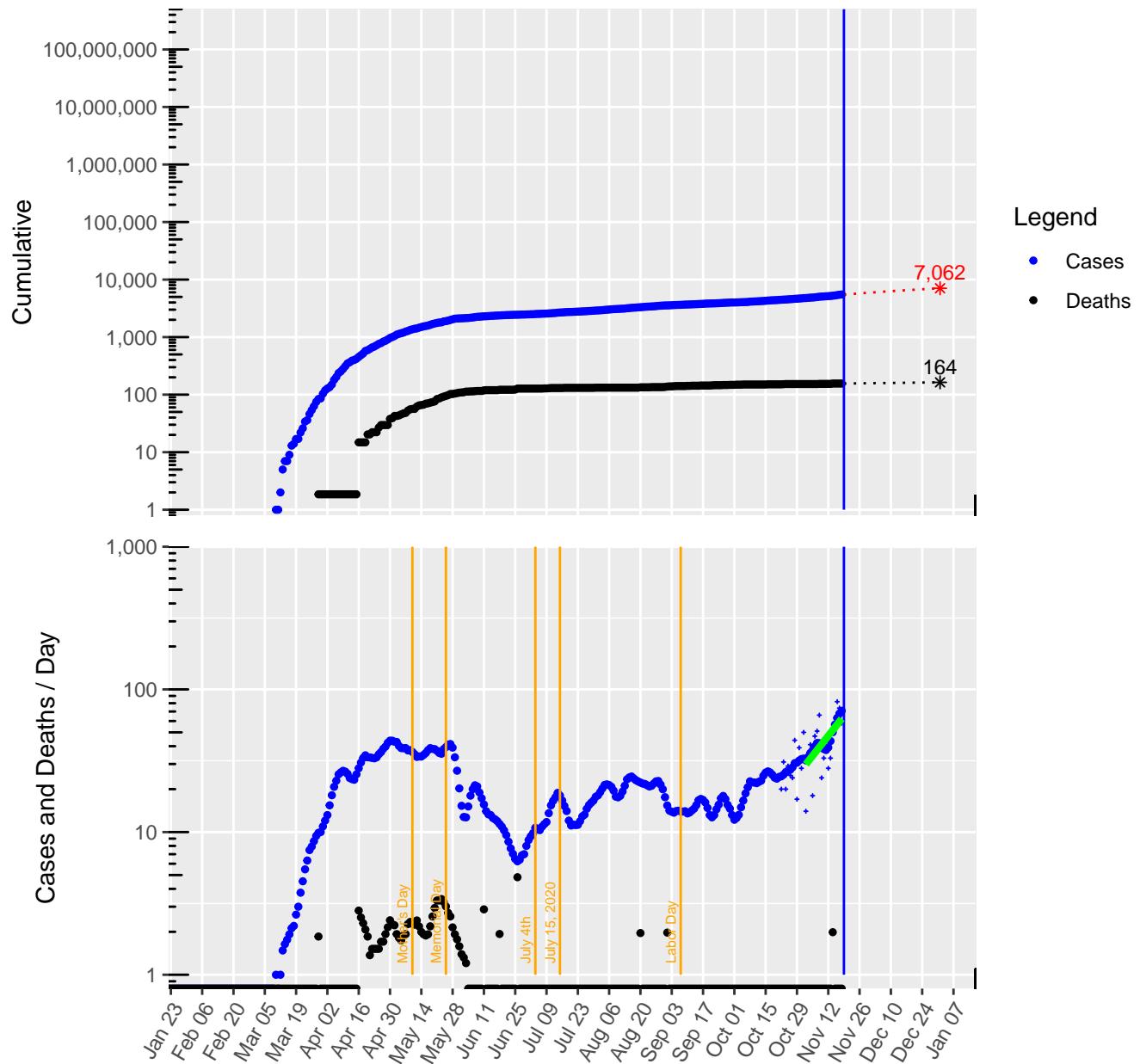
Baltimore (City) projection as of 2020-11-19



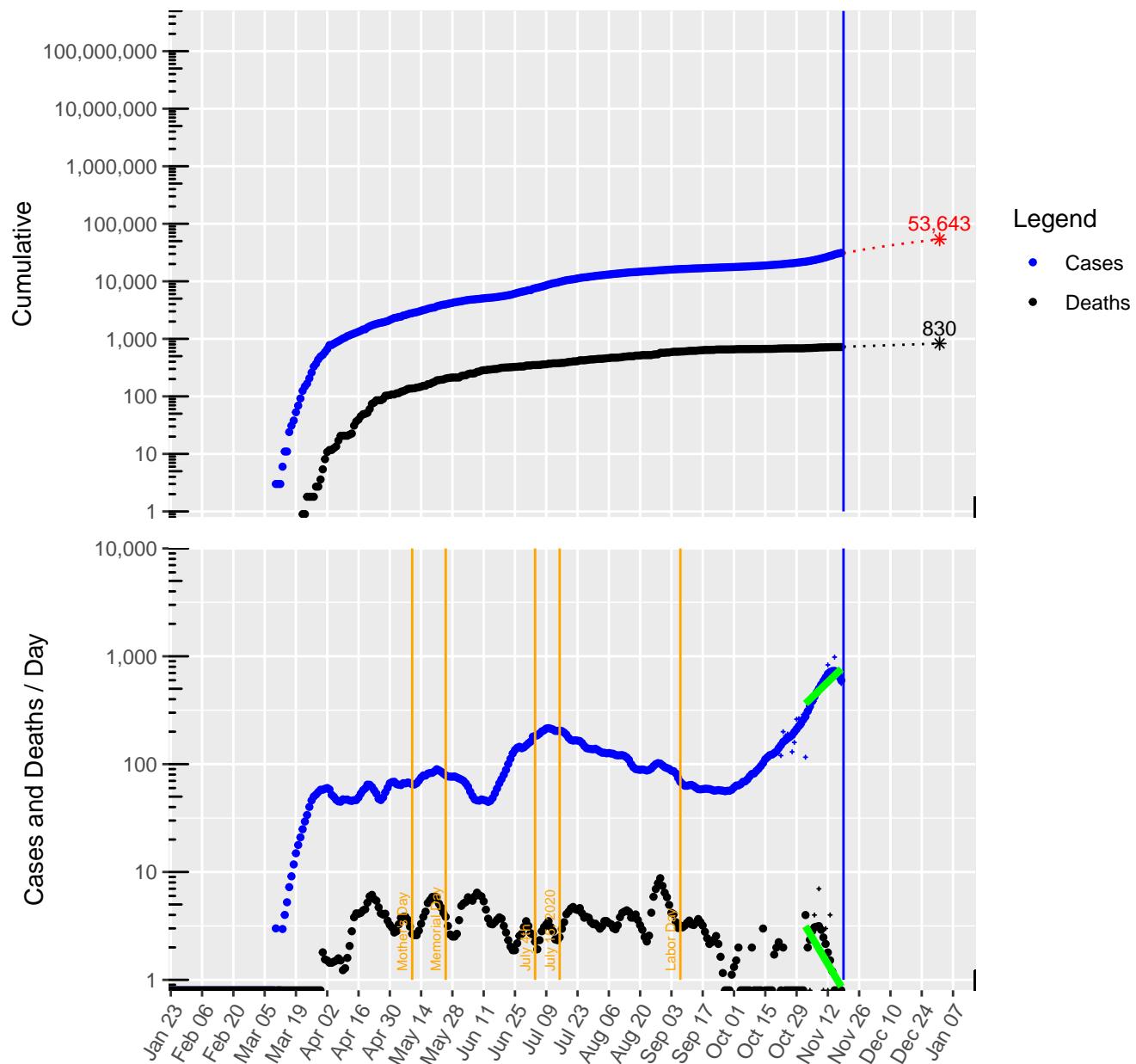
Durham County, North Carolina projection as of 2020-11-19



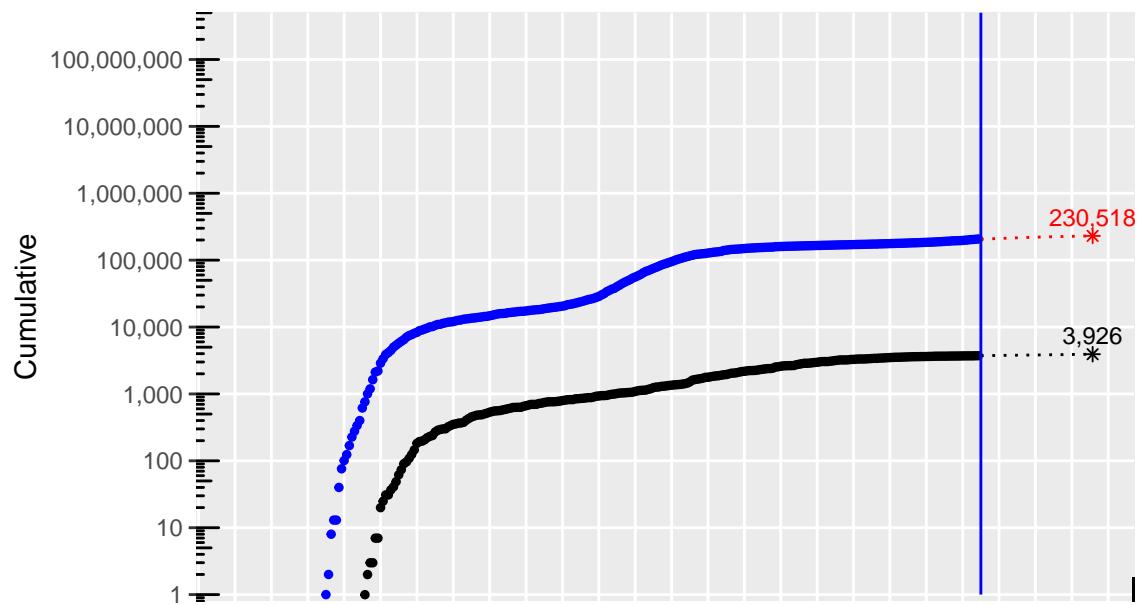
Arlington County, Virginia projection as of 2020-11-19



Cuyahoga County (Cleveland) projection as of 2020-11-19

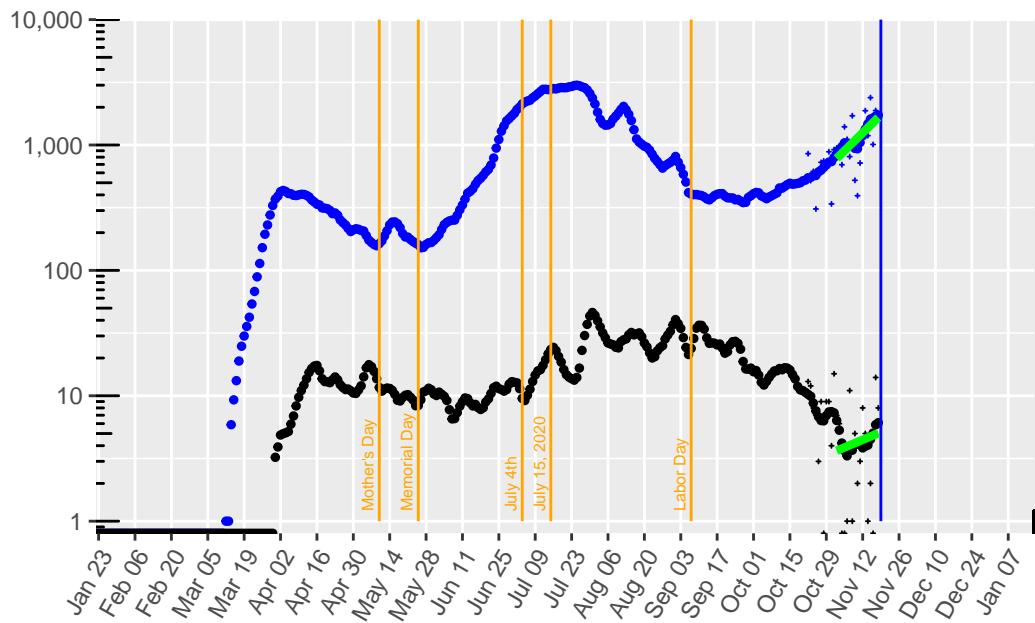


Miami–Dade projection as of 2020–11–19



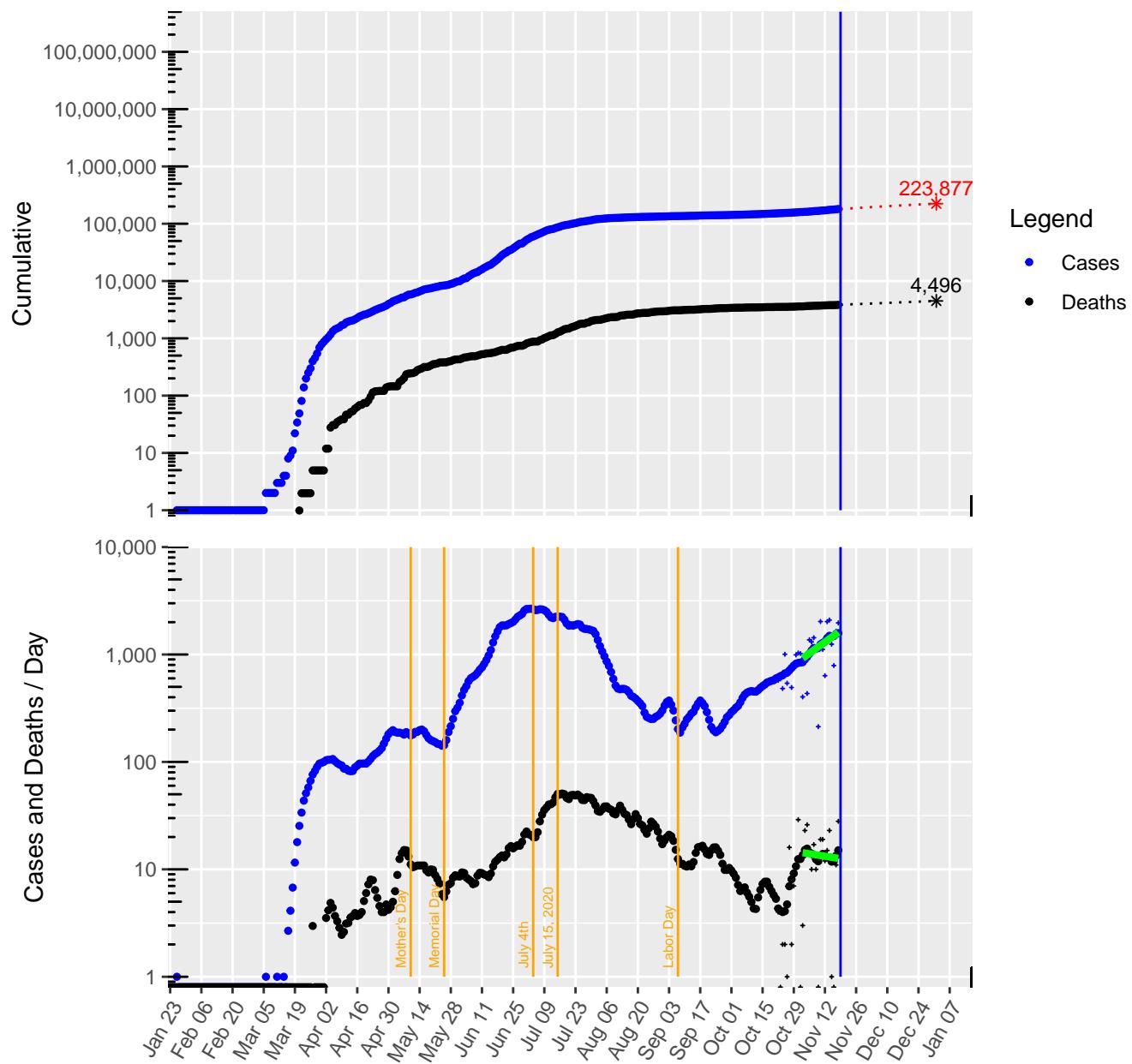
Legend

- Cases
- Deaths

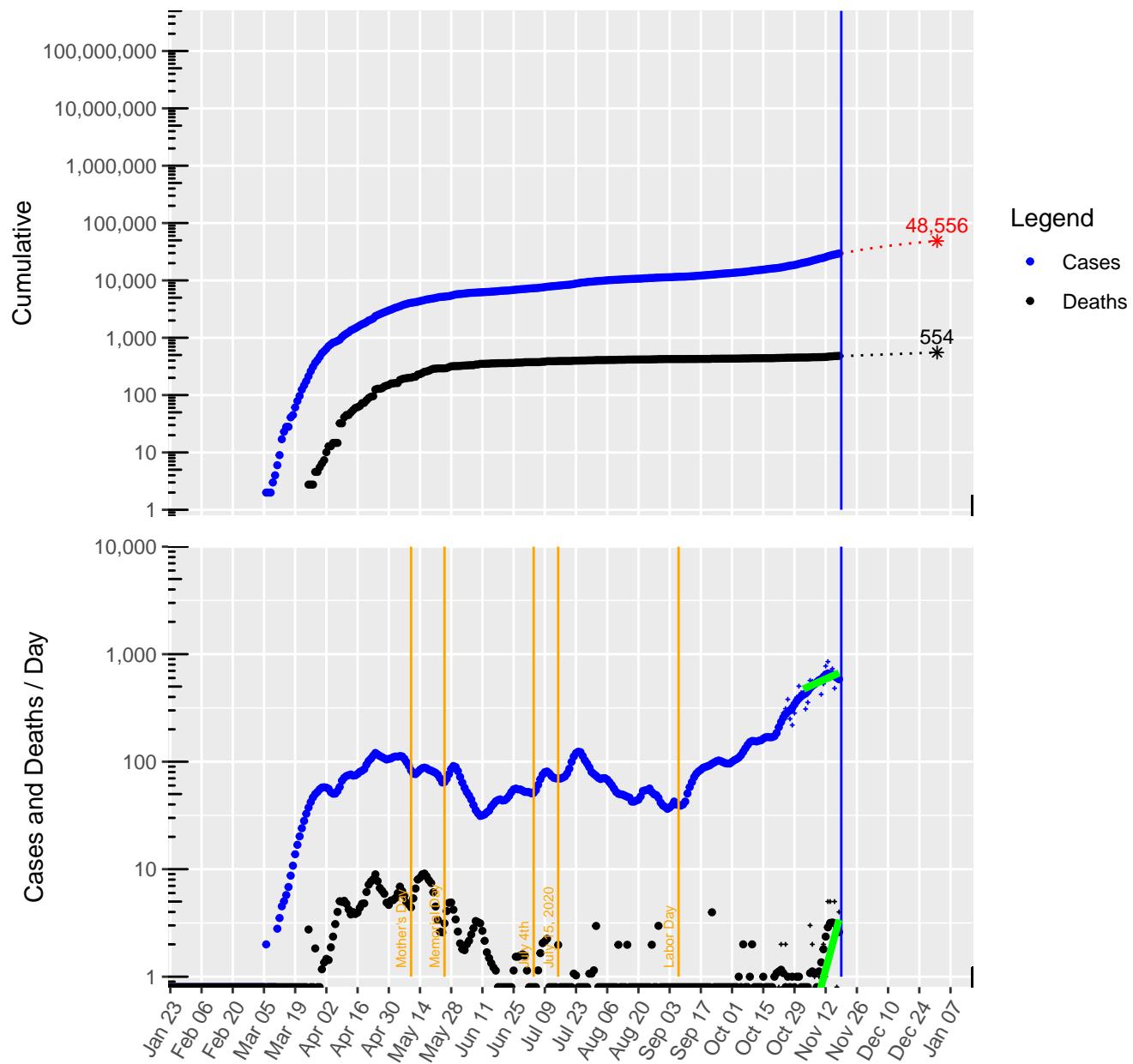


Deaths: 3,731 (8) — Case Mortality: 1.8% — Daily Change: +4.8% Cases, +2.1% Deaths (over 16 days)

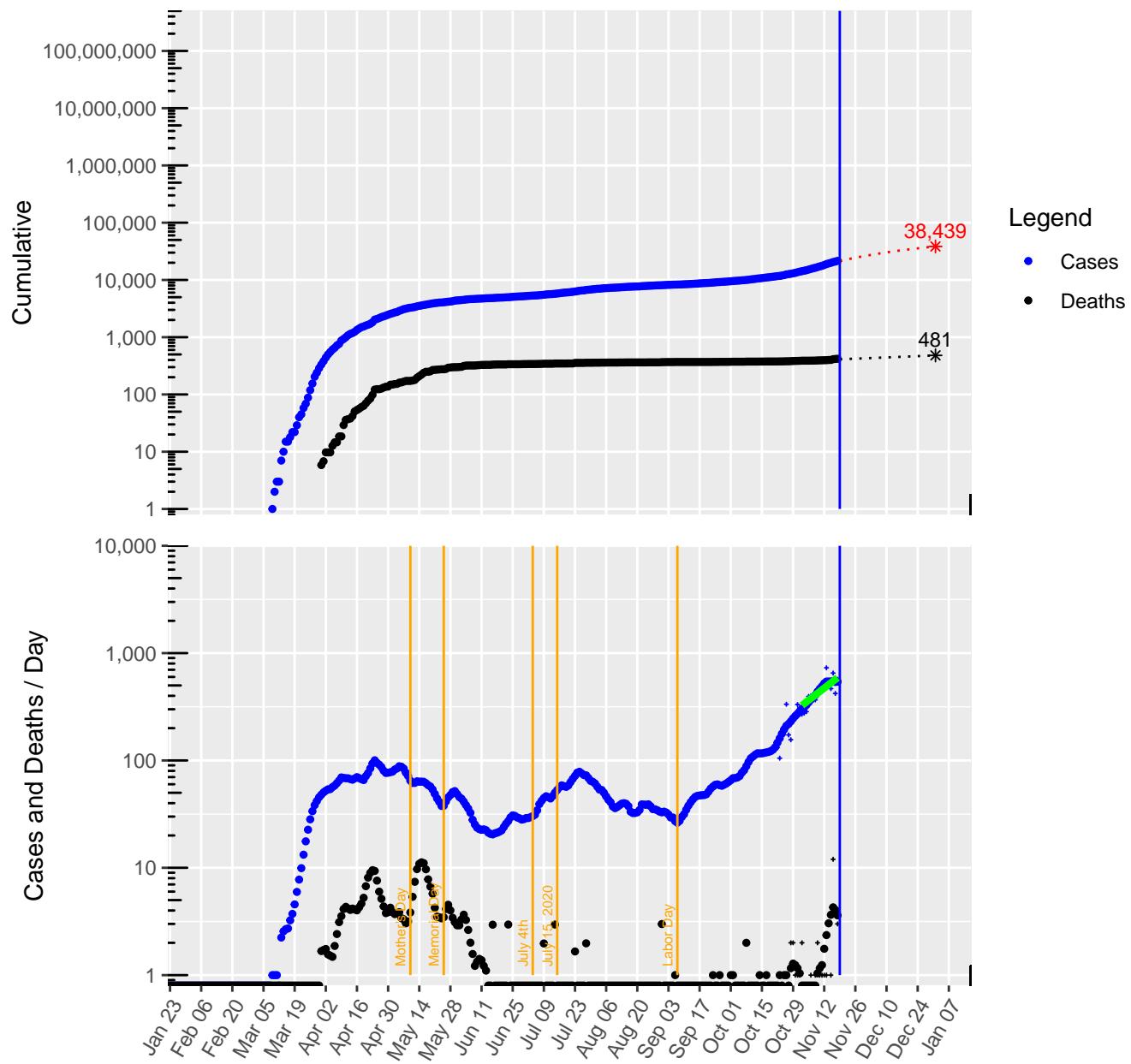
Maricopa County, Arizona projection as of 2020-11-19



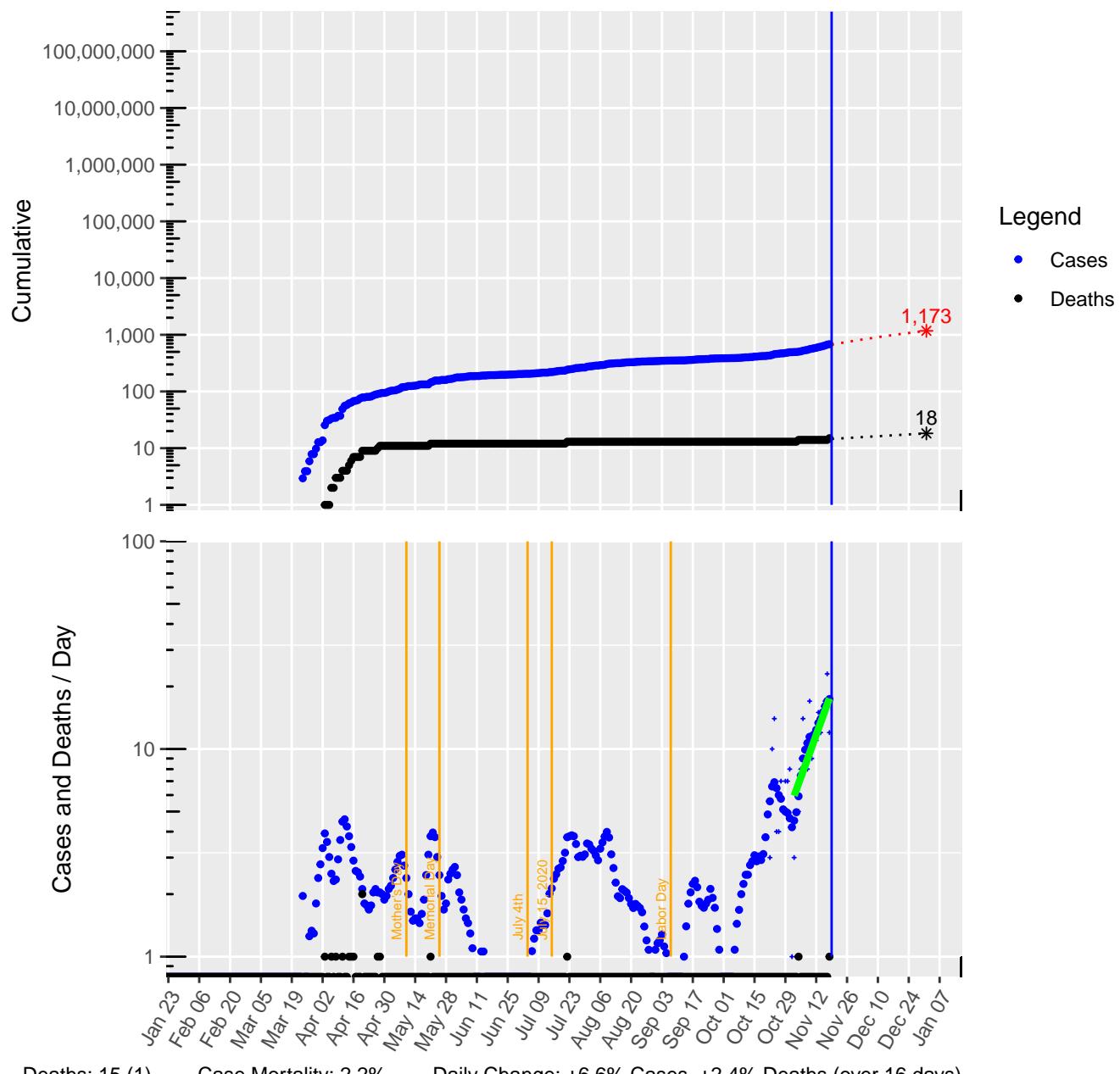
Denver County projection as of 2020-11-19



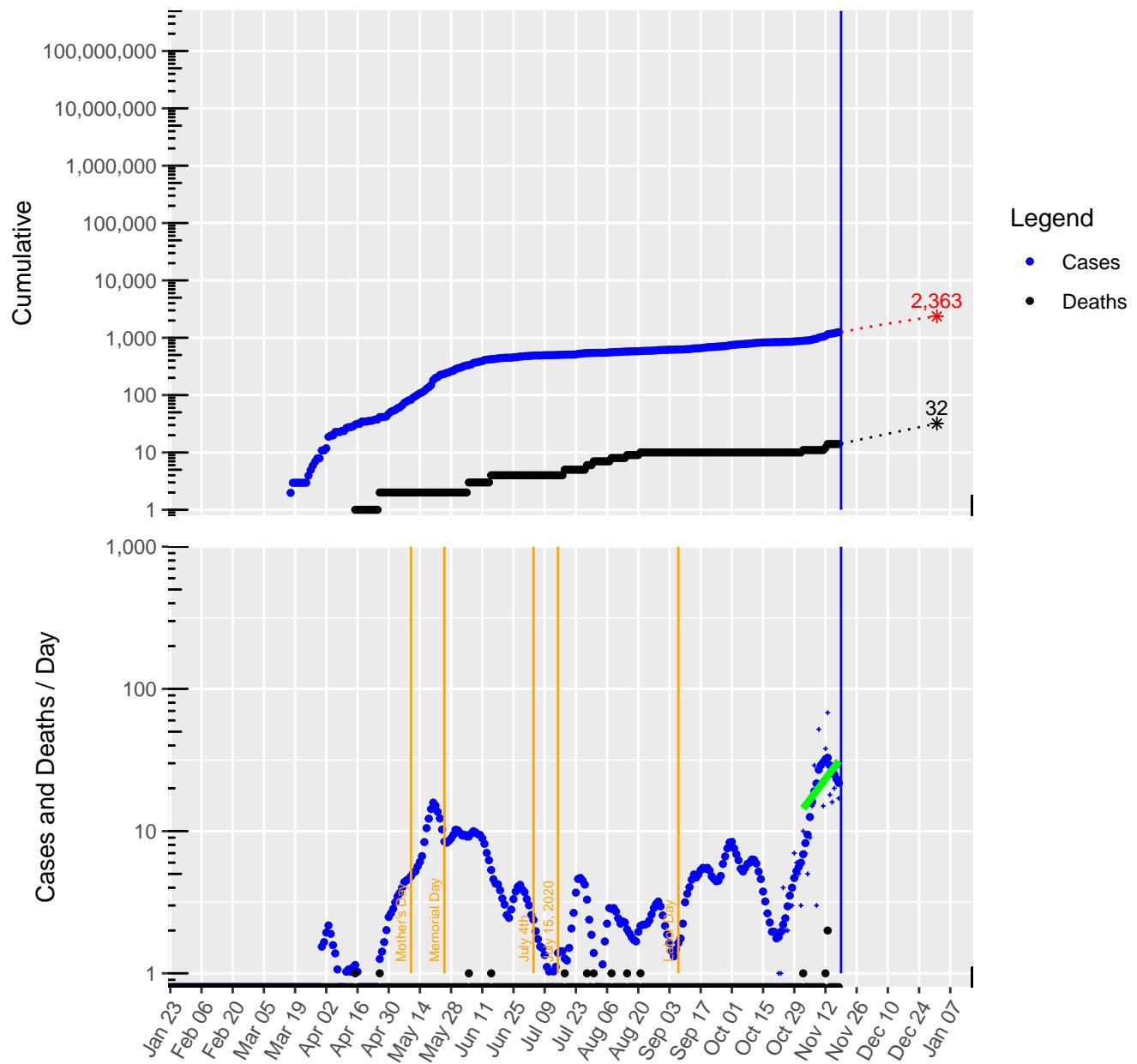
Arapahoe County, Colorado projection as of 2020-11-19



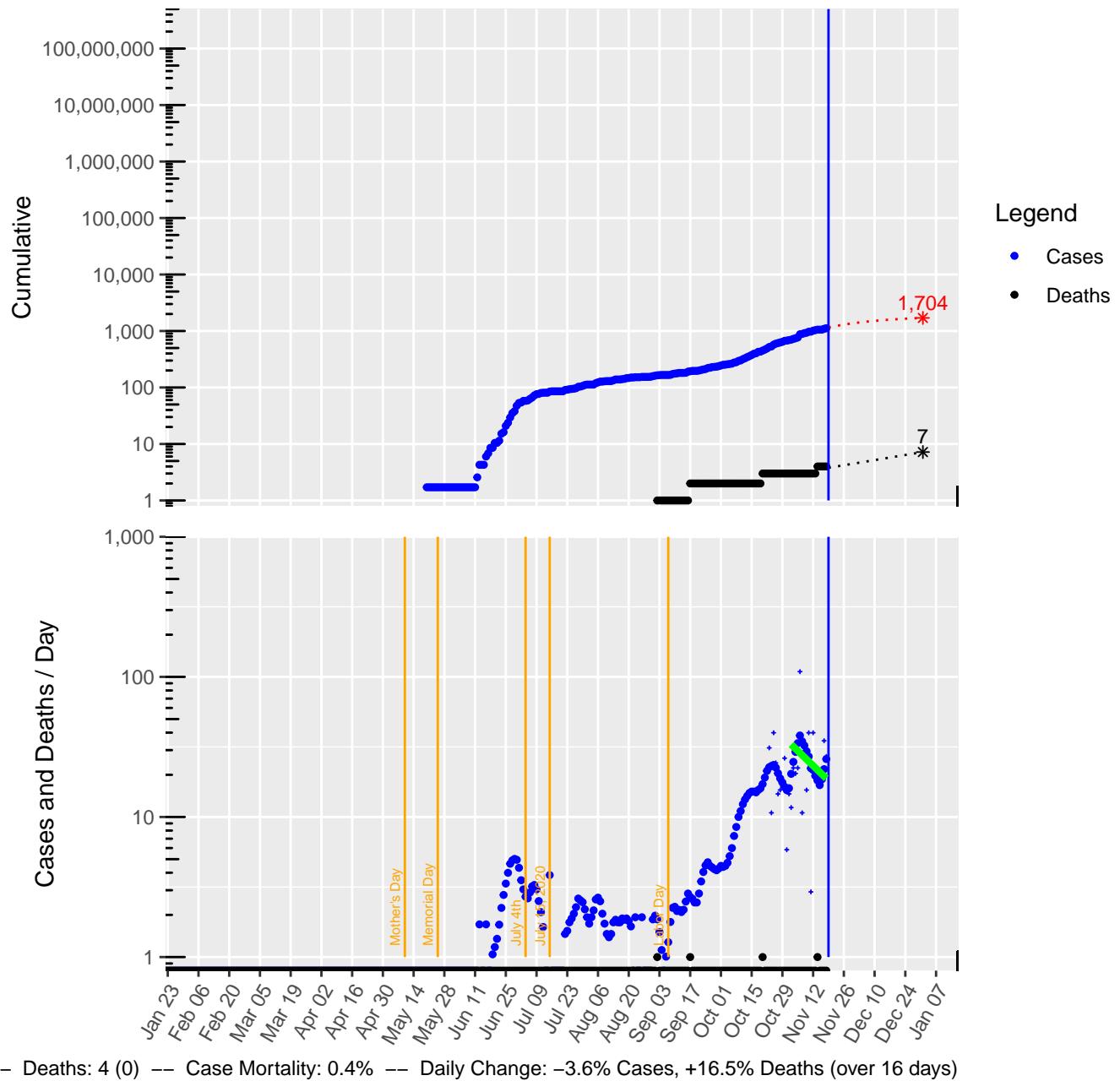
Montrose County, Colorado projection as of 2020-11-19



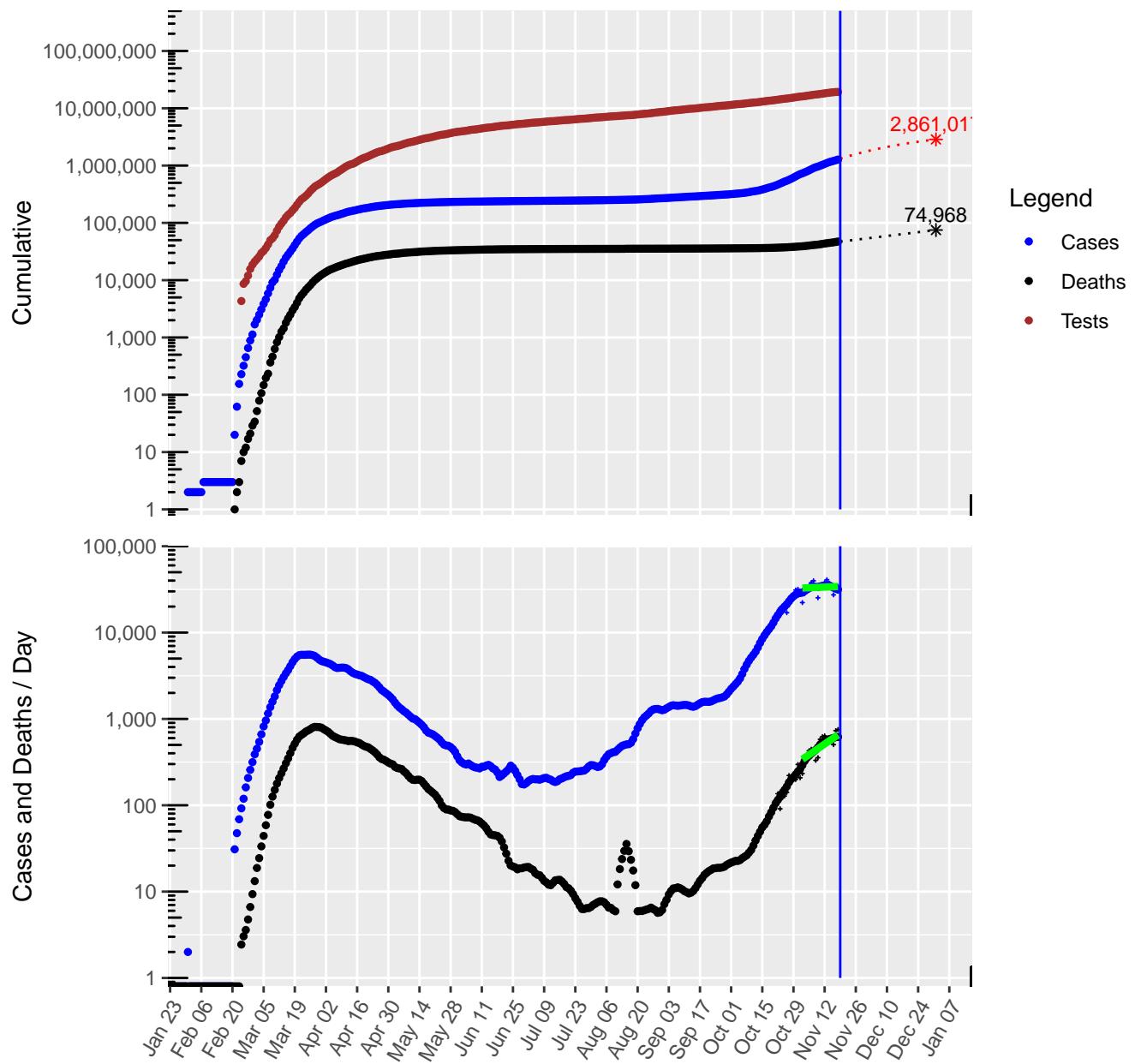
Androscoggin County, Maine projection as of 2020-11-19



Park County, Wyoming projection as of 2020-11-19

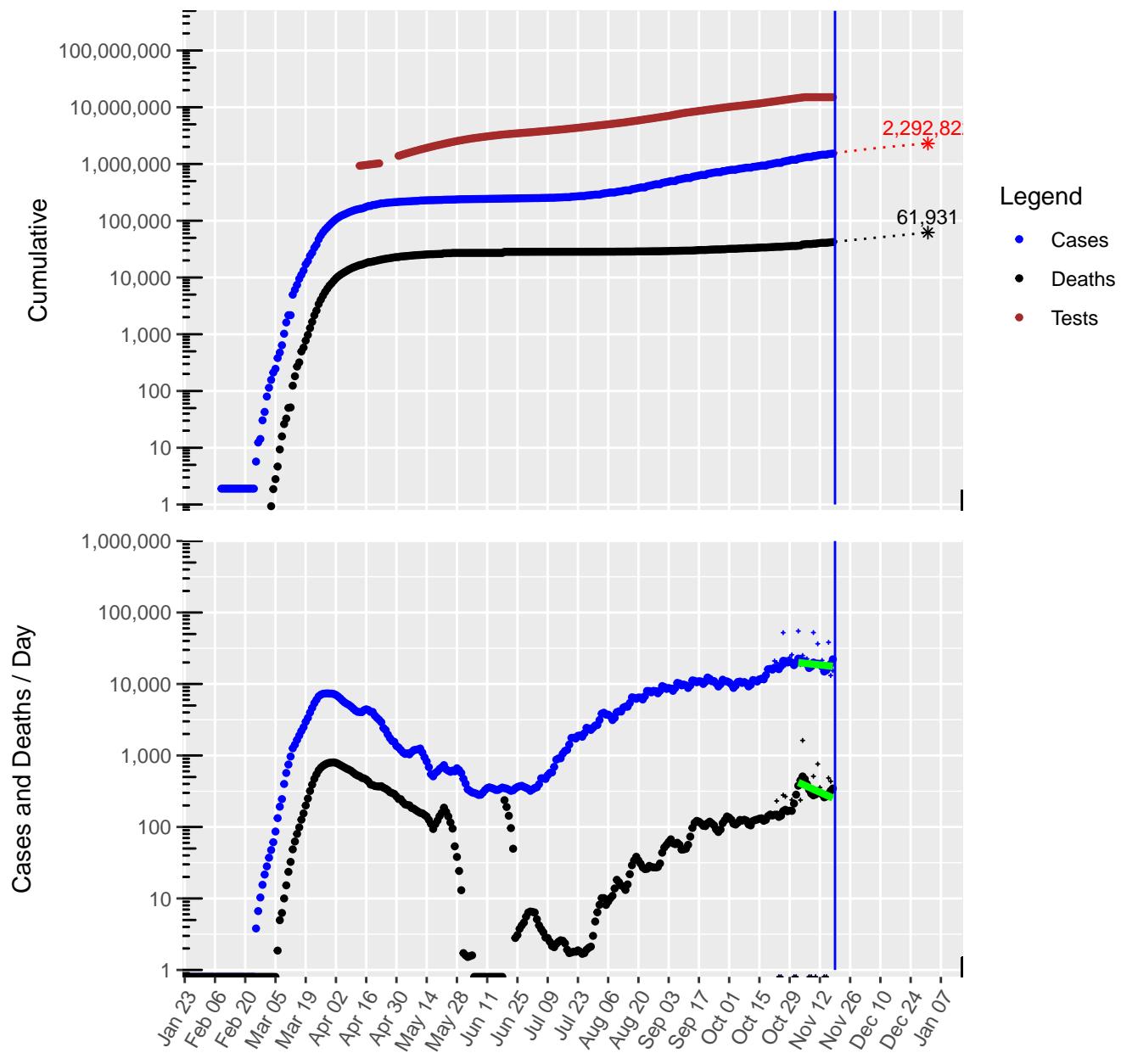


Italy projection as of 2020-11-19

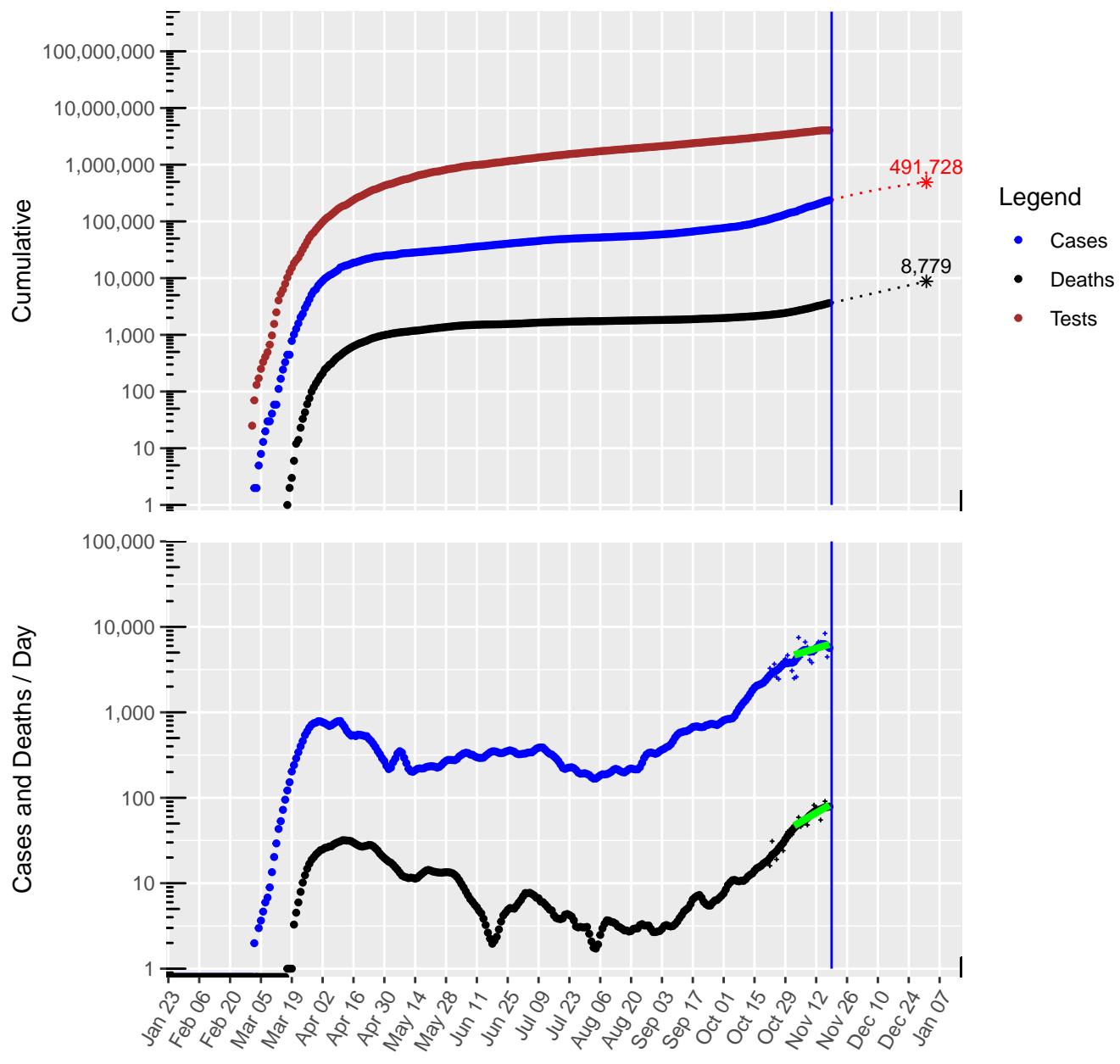


Deaths: 47,217 (753) — Case Mortality: 3.7% — Daily Change: +0.3% Cases, +4.2% Deaths (over 16 days)

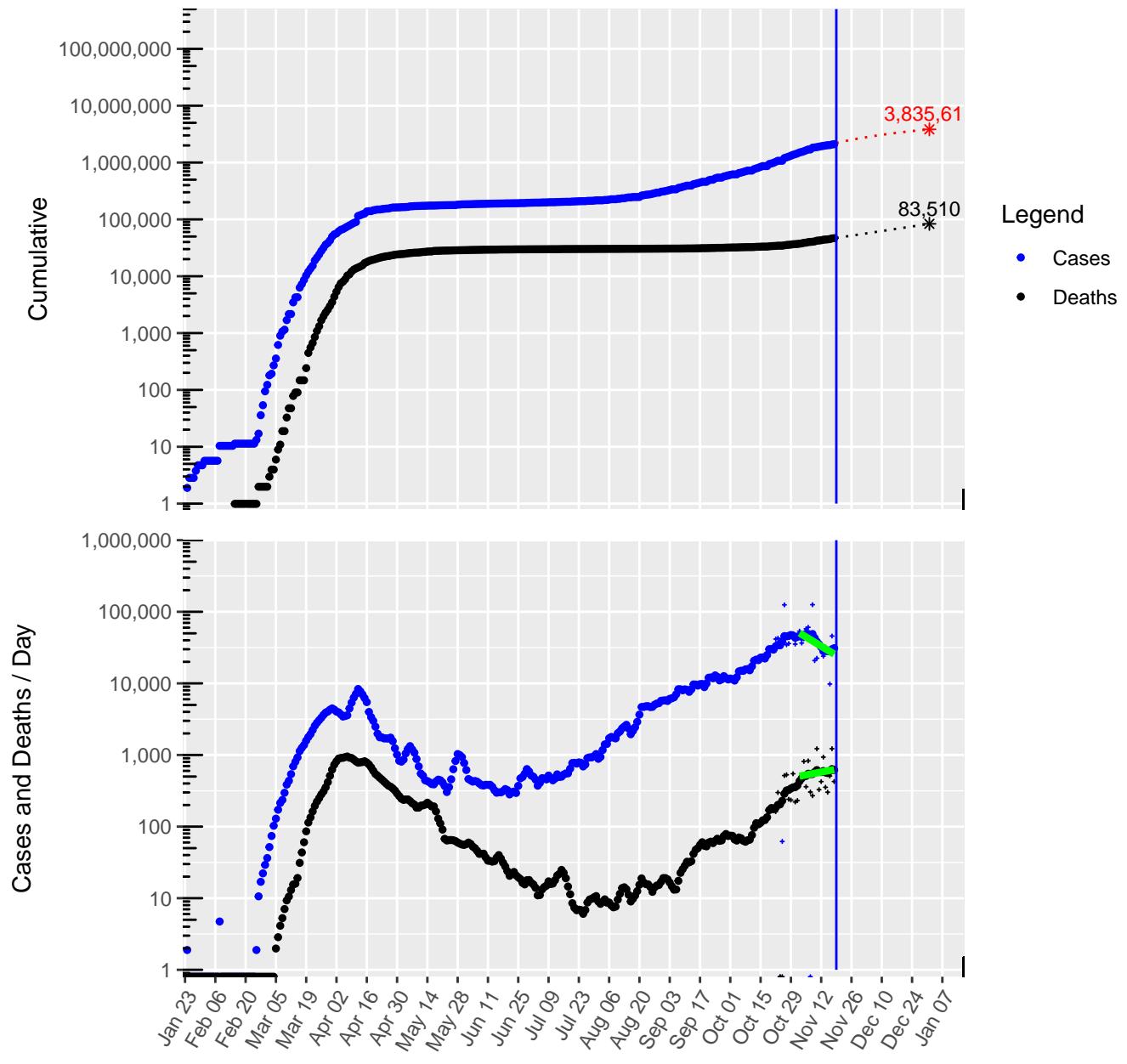
Spain projection as of 2020-11-19



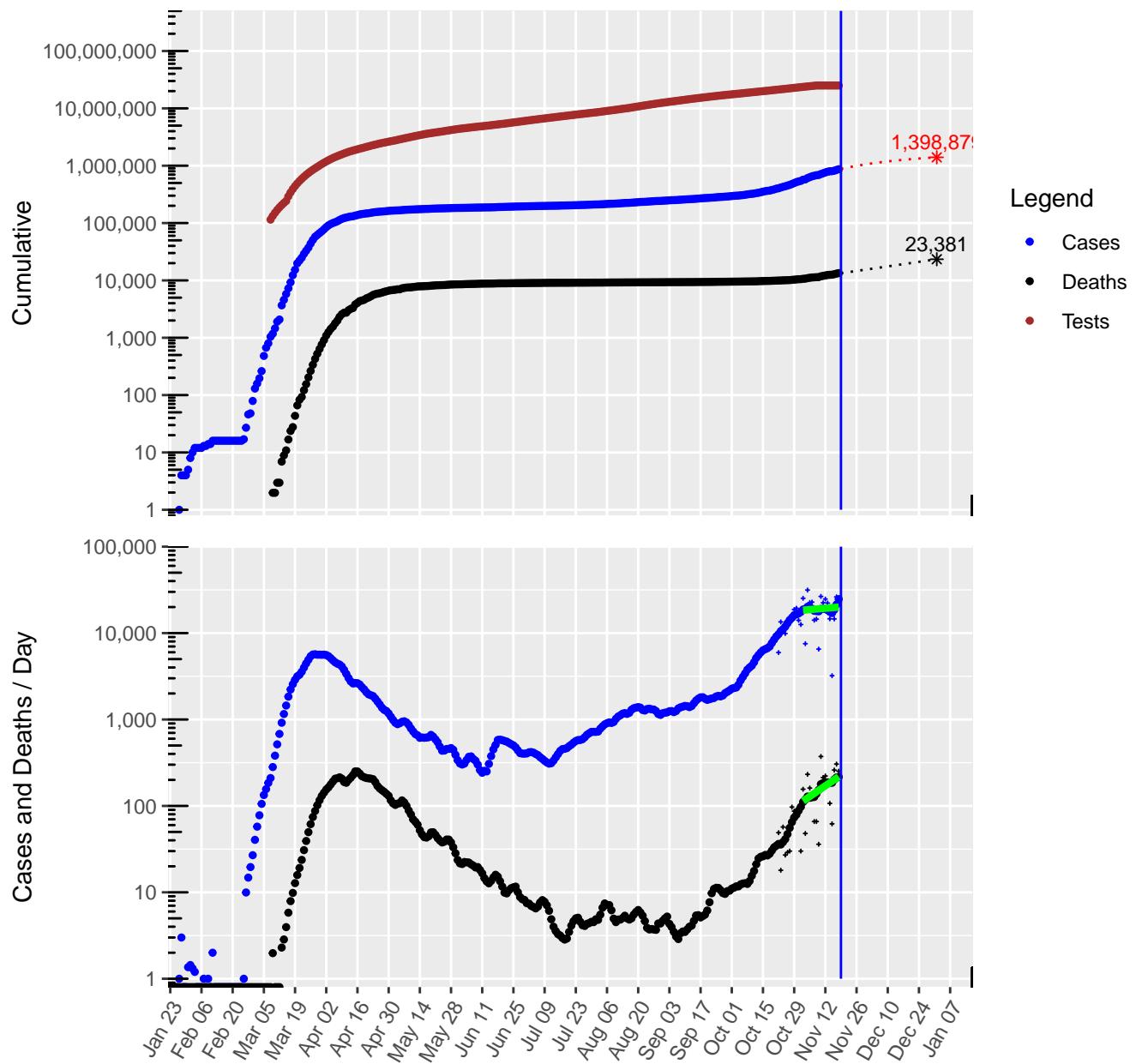
Portugal projection as of 2020-11-19



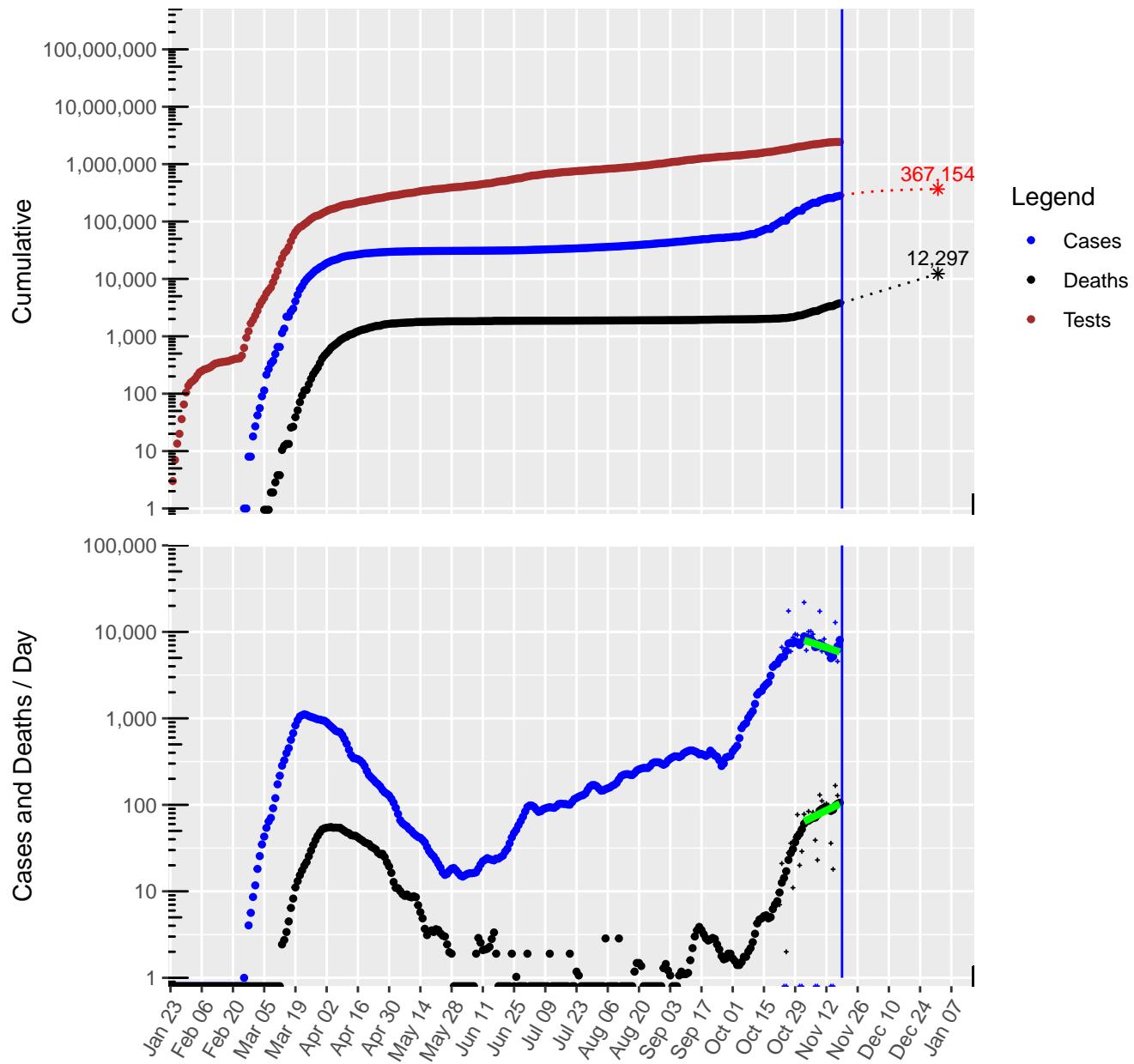
France projection as of 2020-11-19



Germany projection as of 2020-11-19

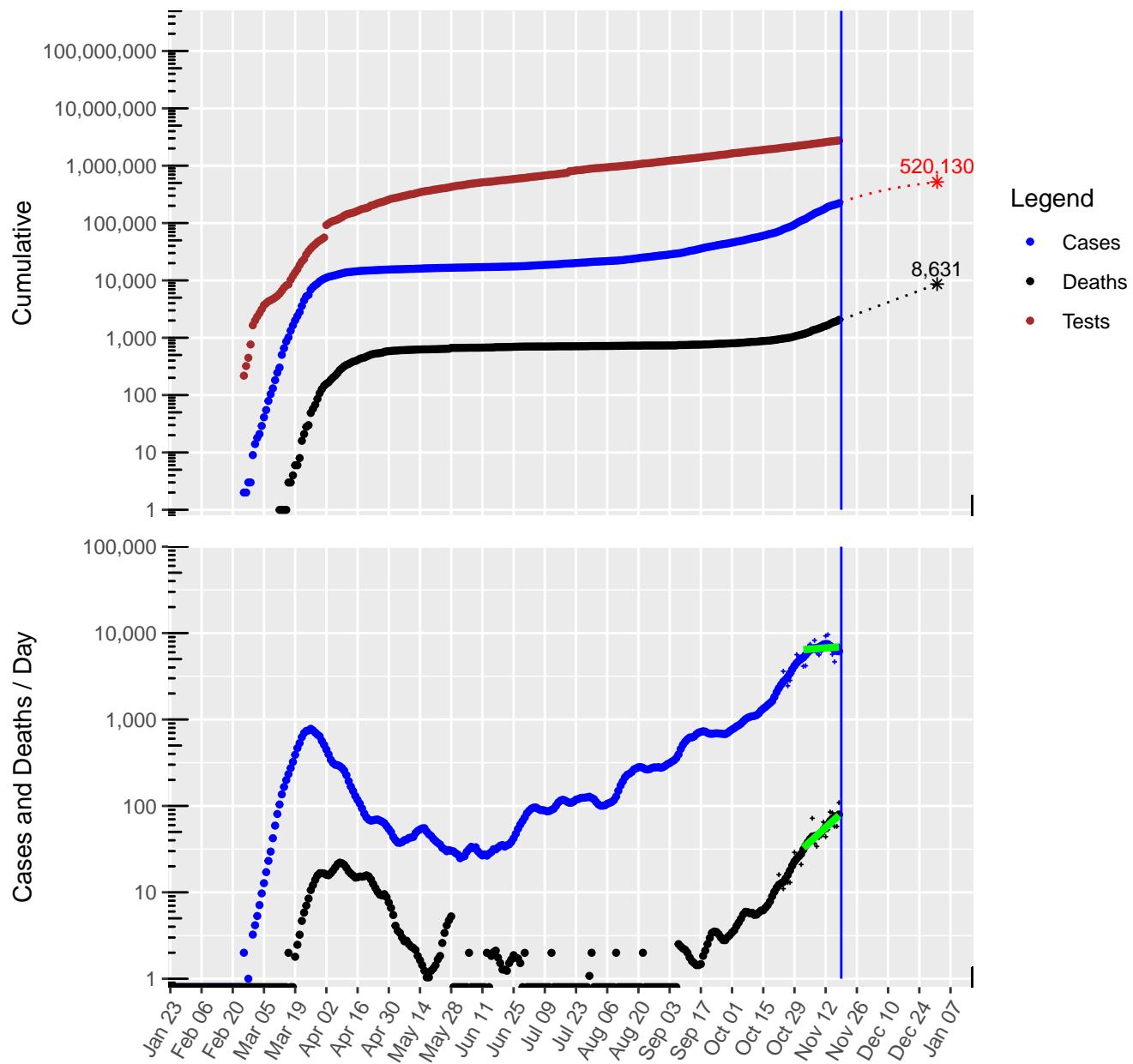


Switzerland projection as of 2020-11-19

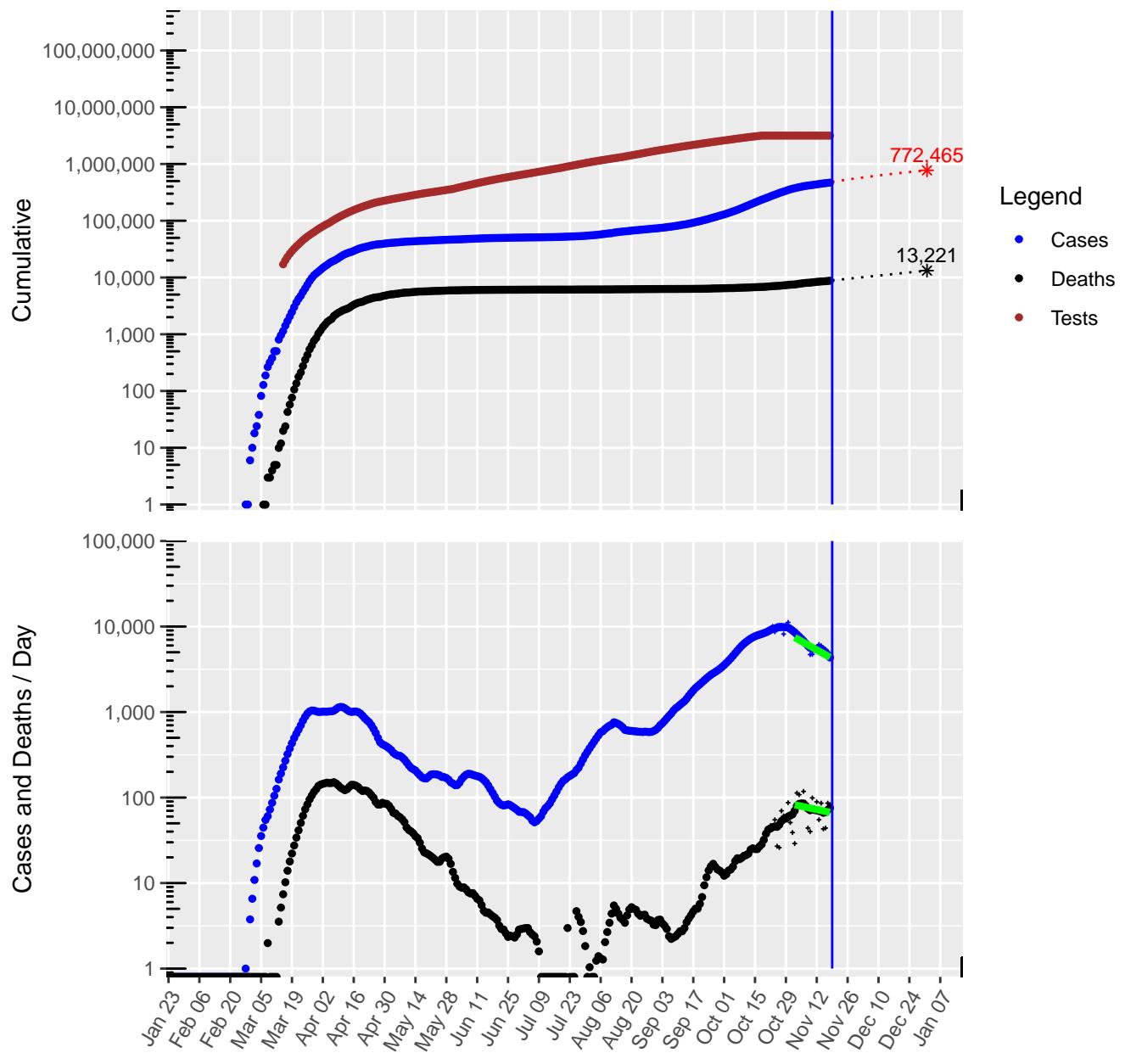


Deaths: 3,765 (101) — Case Mortality: 1.3% — Daily Change: -2.1% Cases, +3.1% Deaths (over 16 days)

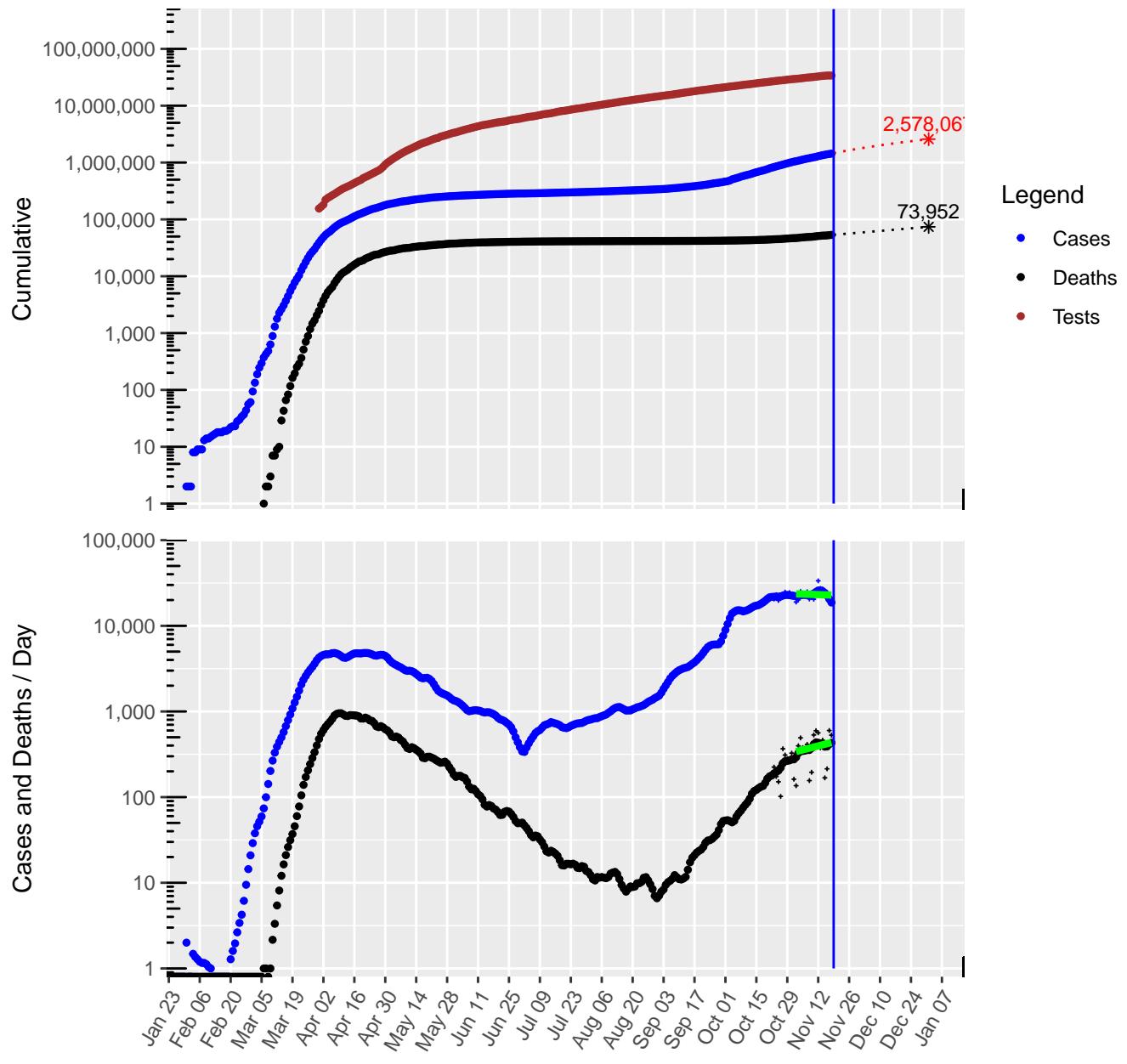
Austria projection as of 2020-11-19



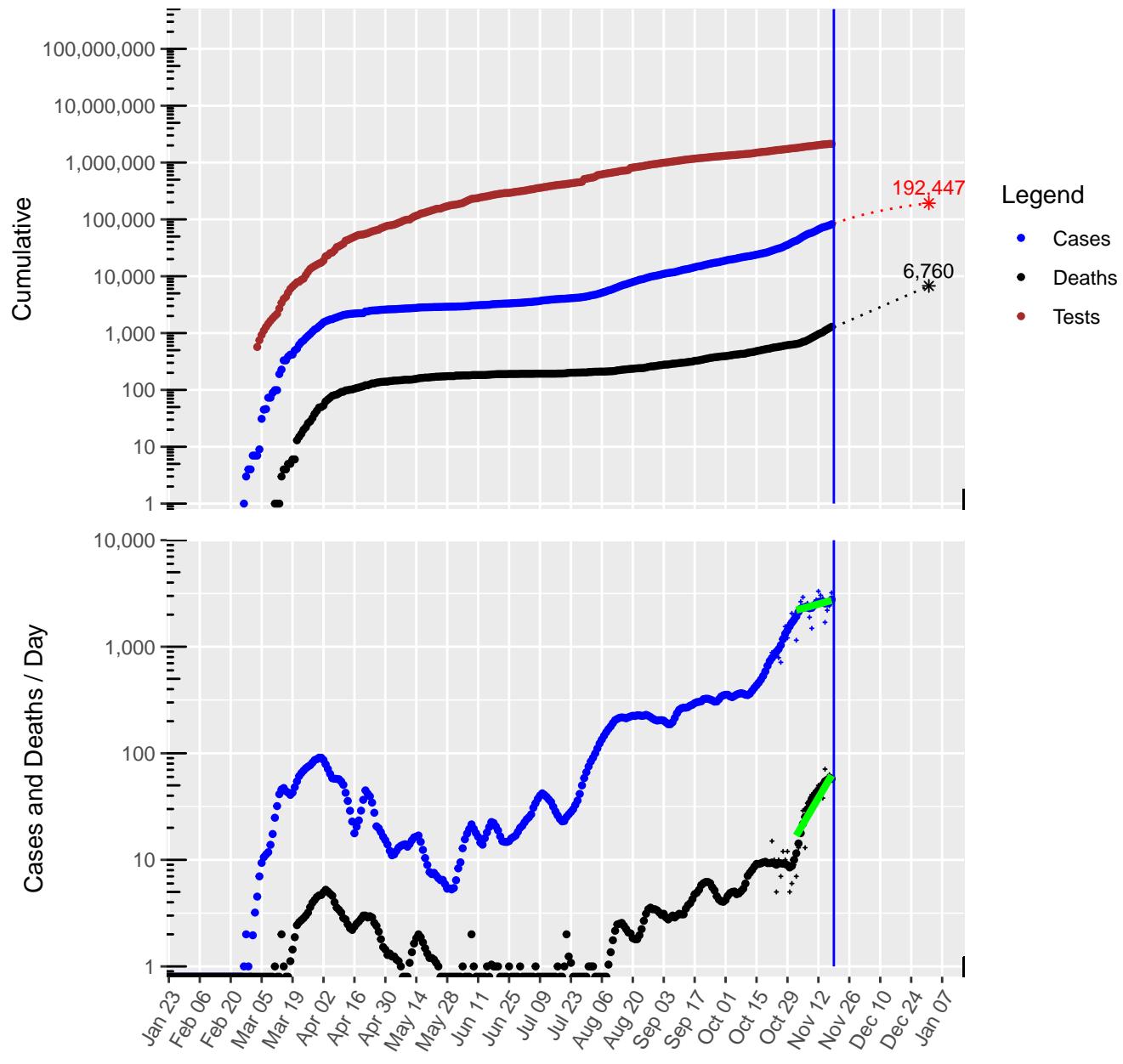
Netherlands projection as of 2020-11-19



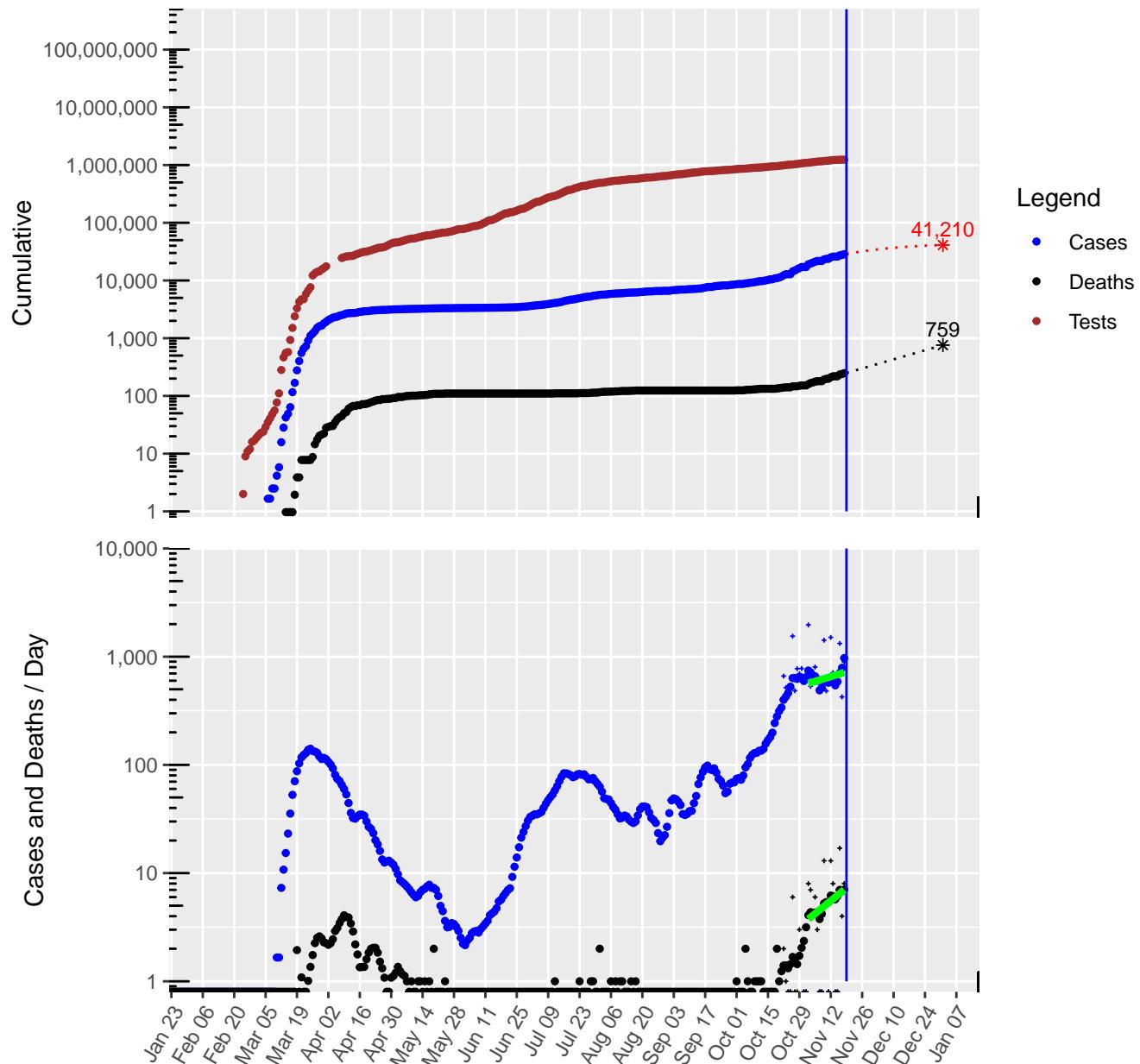
United Kingdom projection as of 2020-11-19



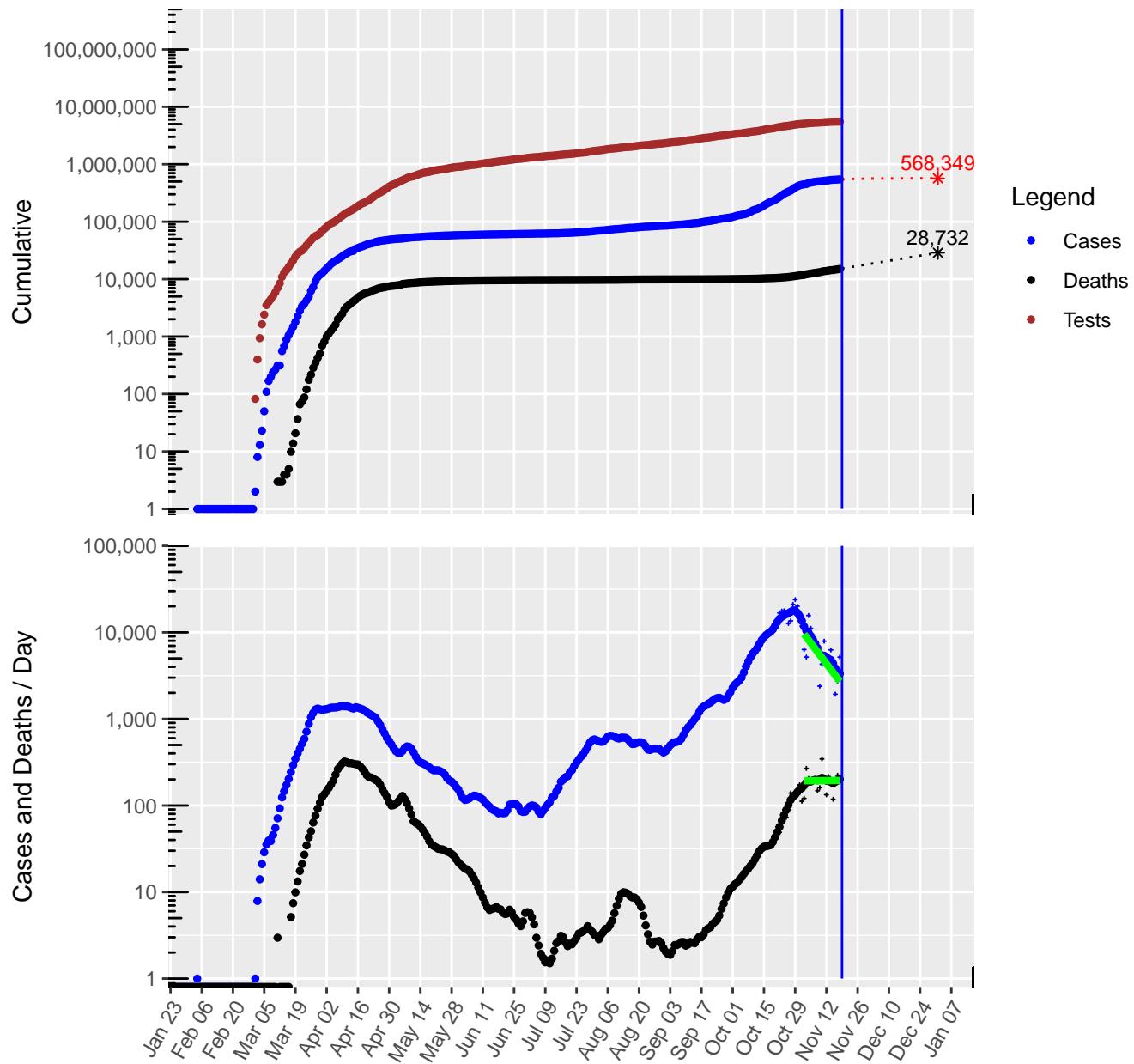
Greece projection as of 2020-11-19



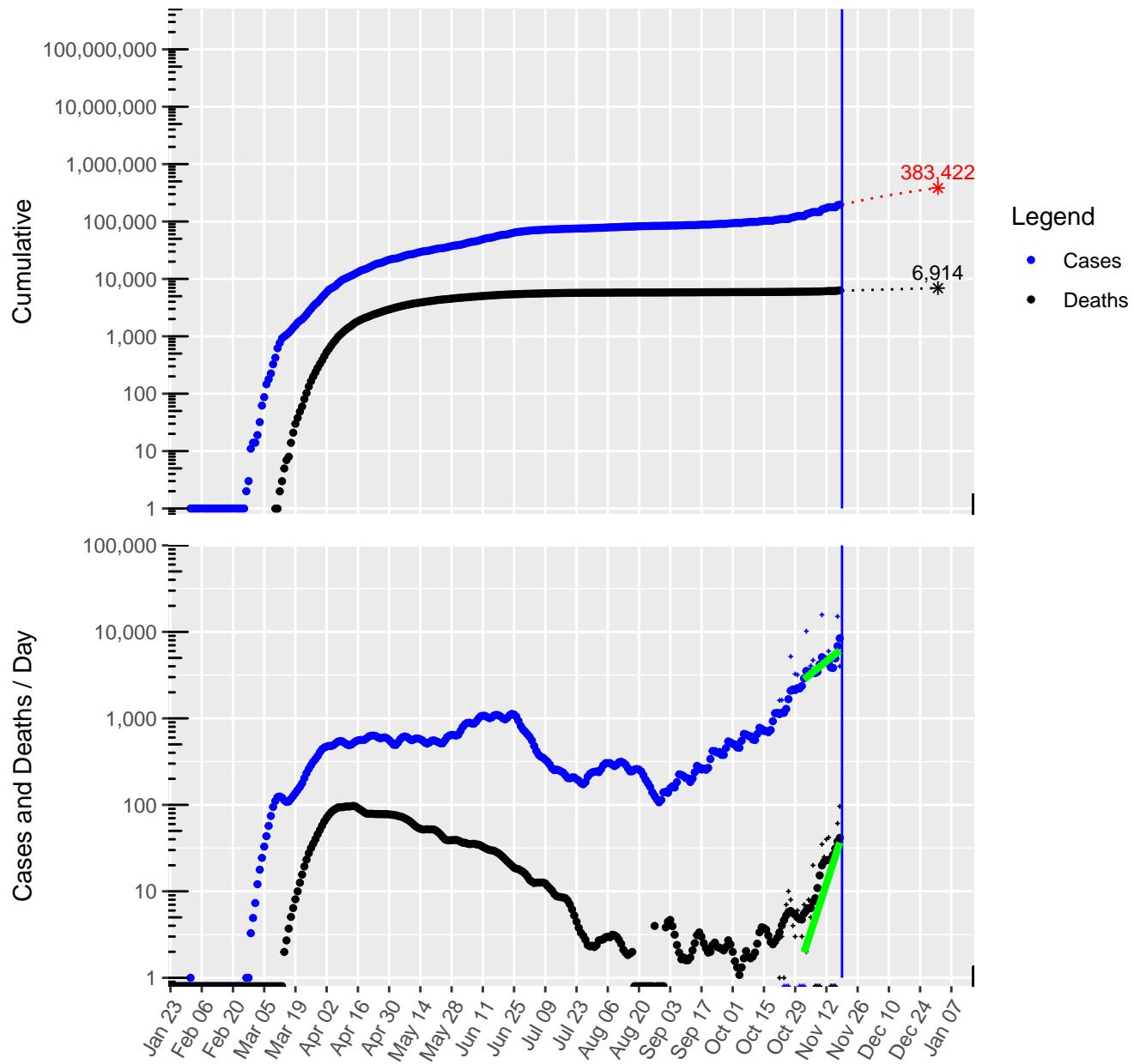
Luxembourg projection as of 2020-11-19



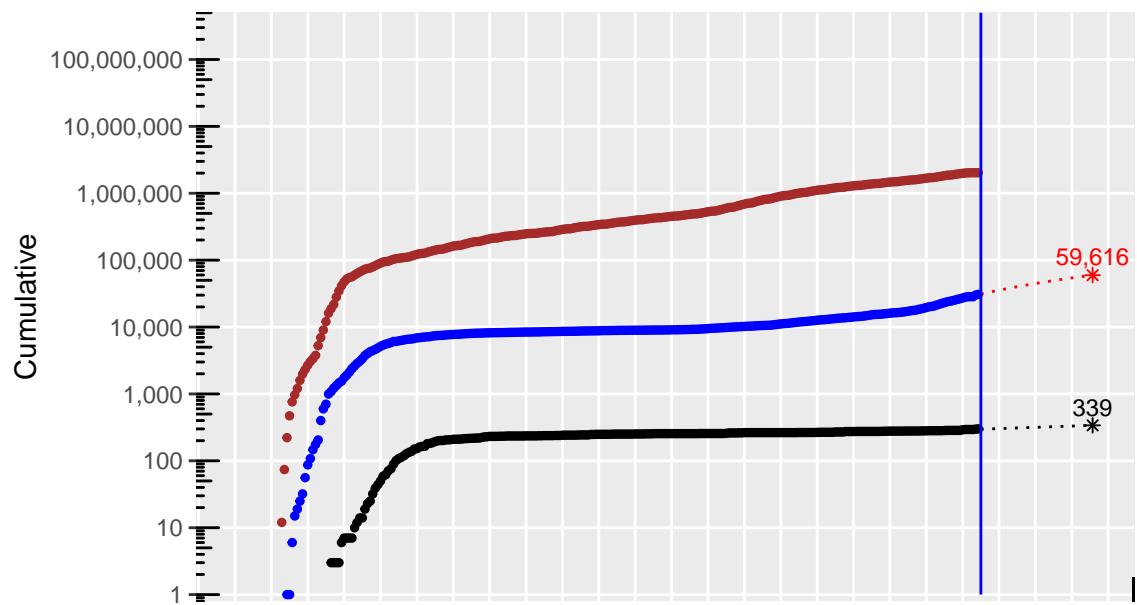
Belgium projection as of 2020-11-19



Sweden projection as of 2020-11-19

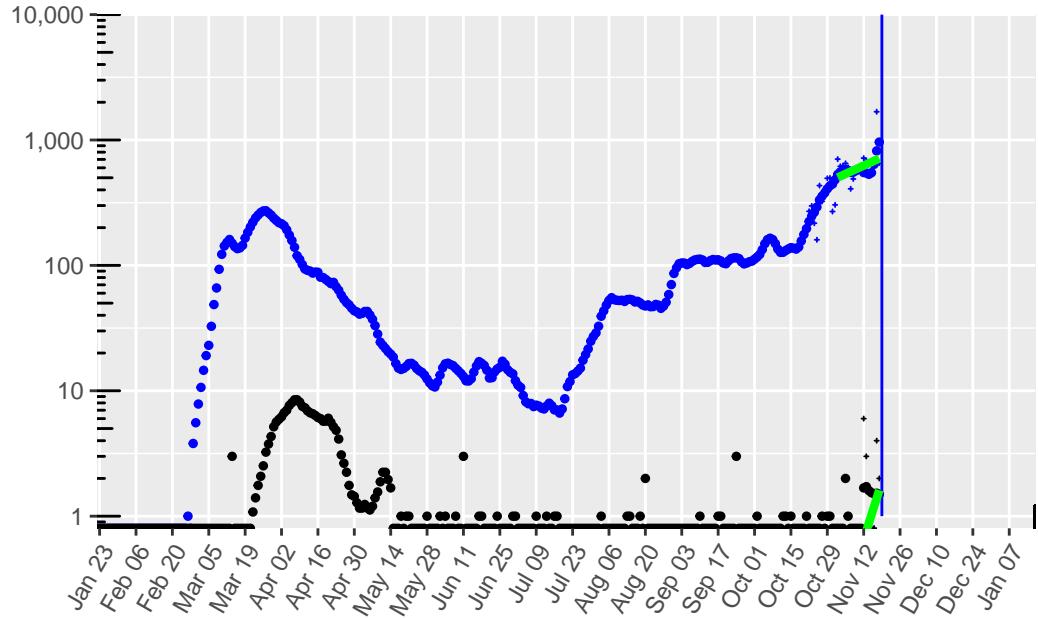


Norway projection as of 2020-11-19



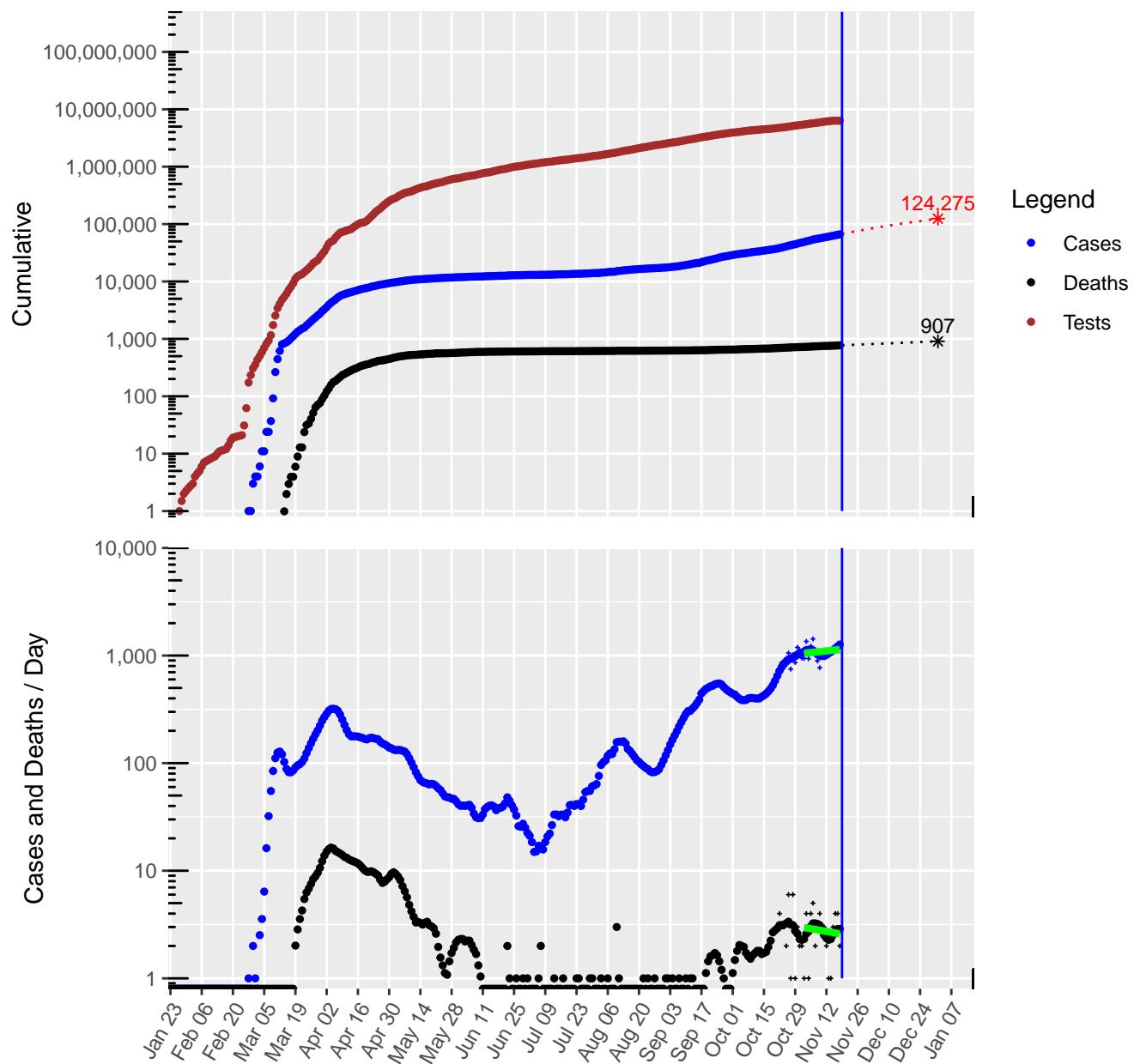
Legend

- Cases
- Deaths
- Tests

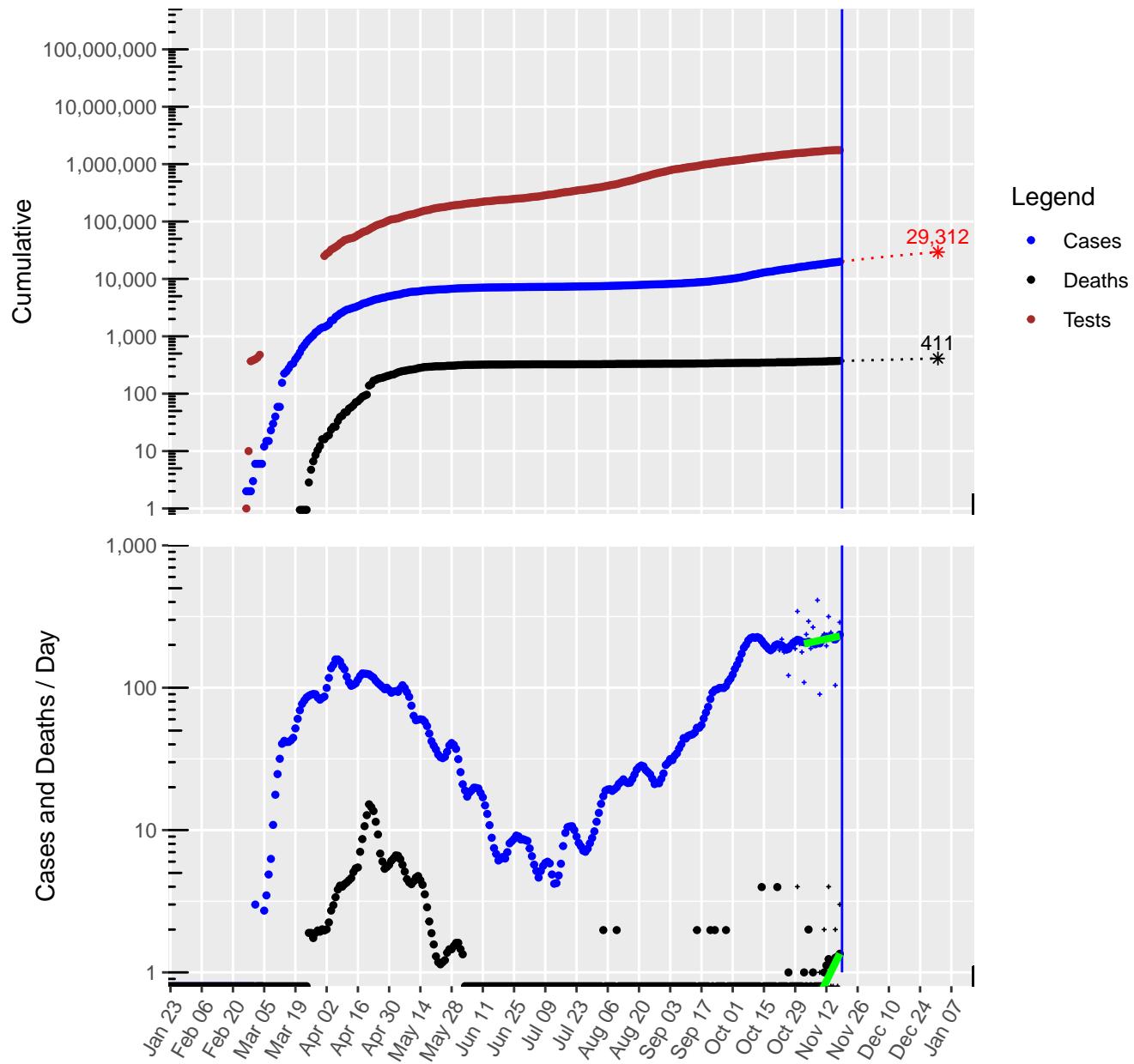


Deaths: 300 (2) — Case Mortality: 1.0% — Daily Change: +2.3% Cases, +11.1% Deaths (over 16 days)

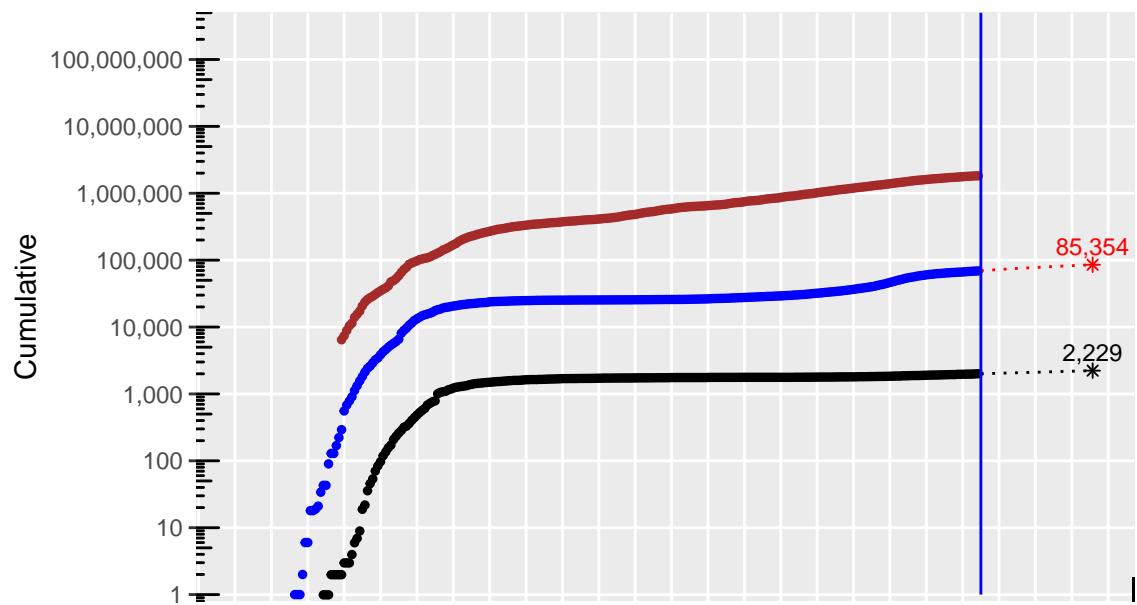
Denmark projection as of 2020-11-19



Finland projection as of 2020-11-19

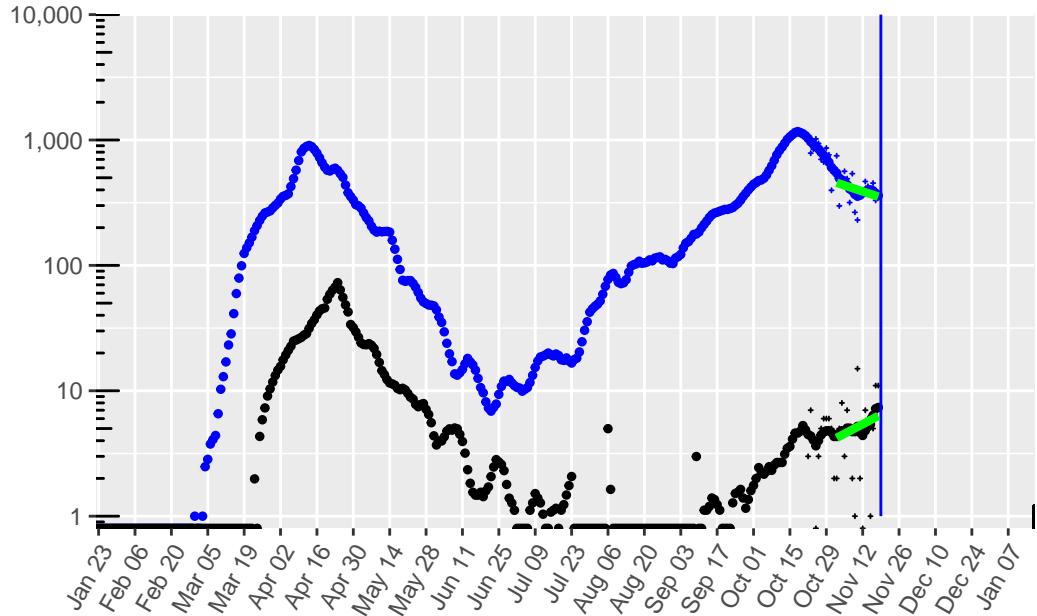


Ireland projection as of 2020-11-19



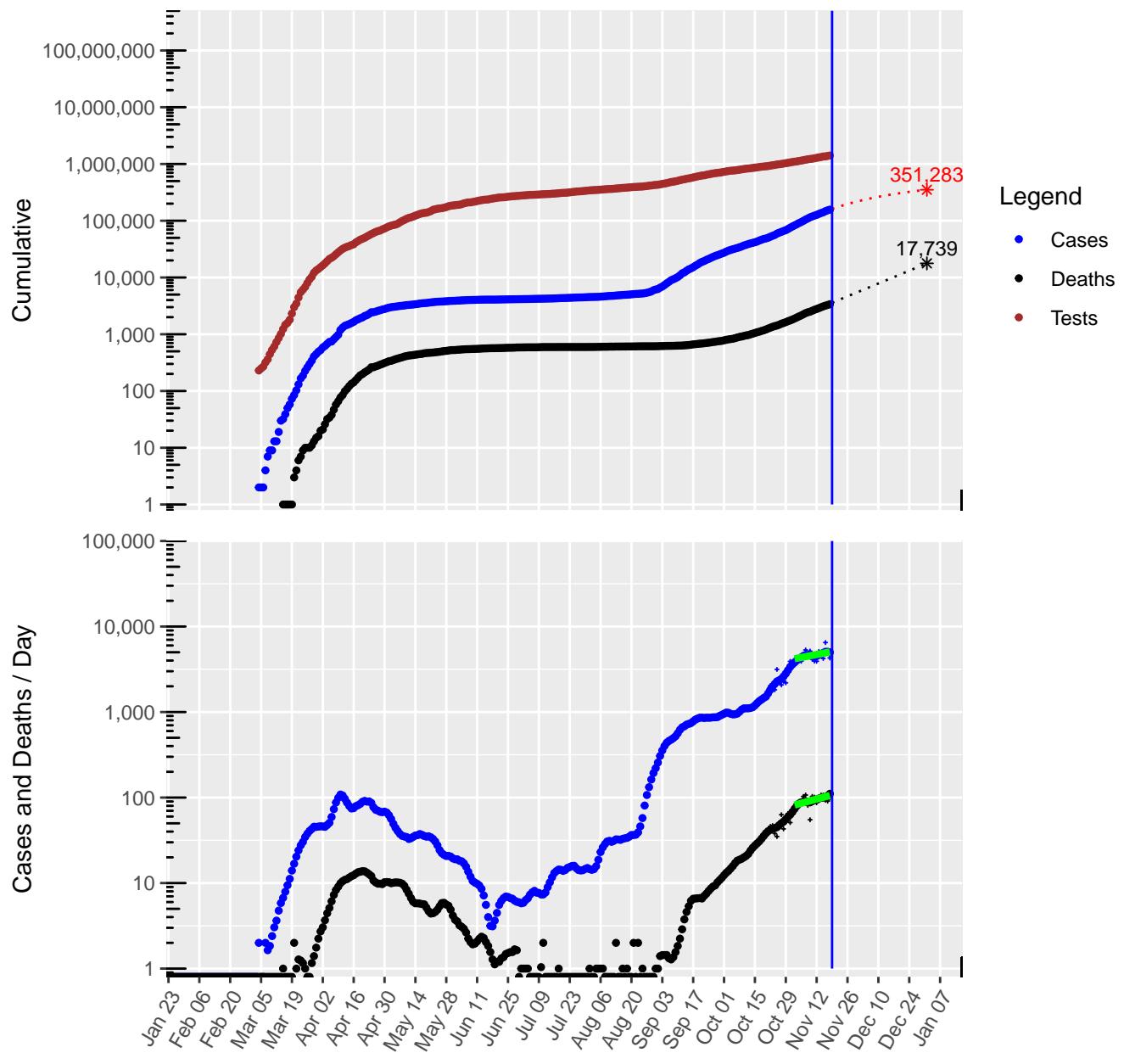
Legend

- Cases
- Deaths
- Tests

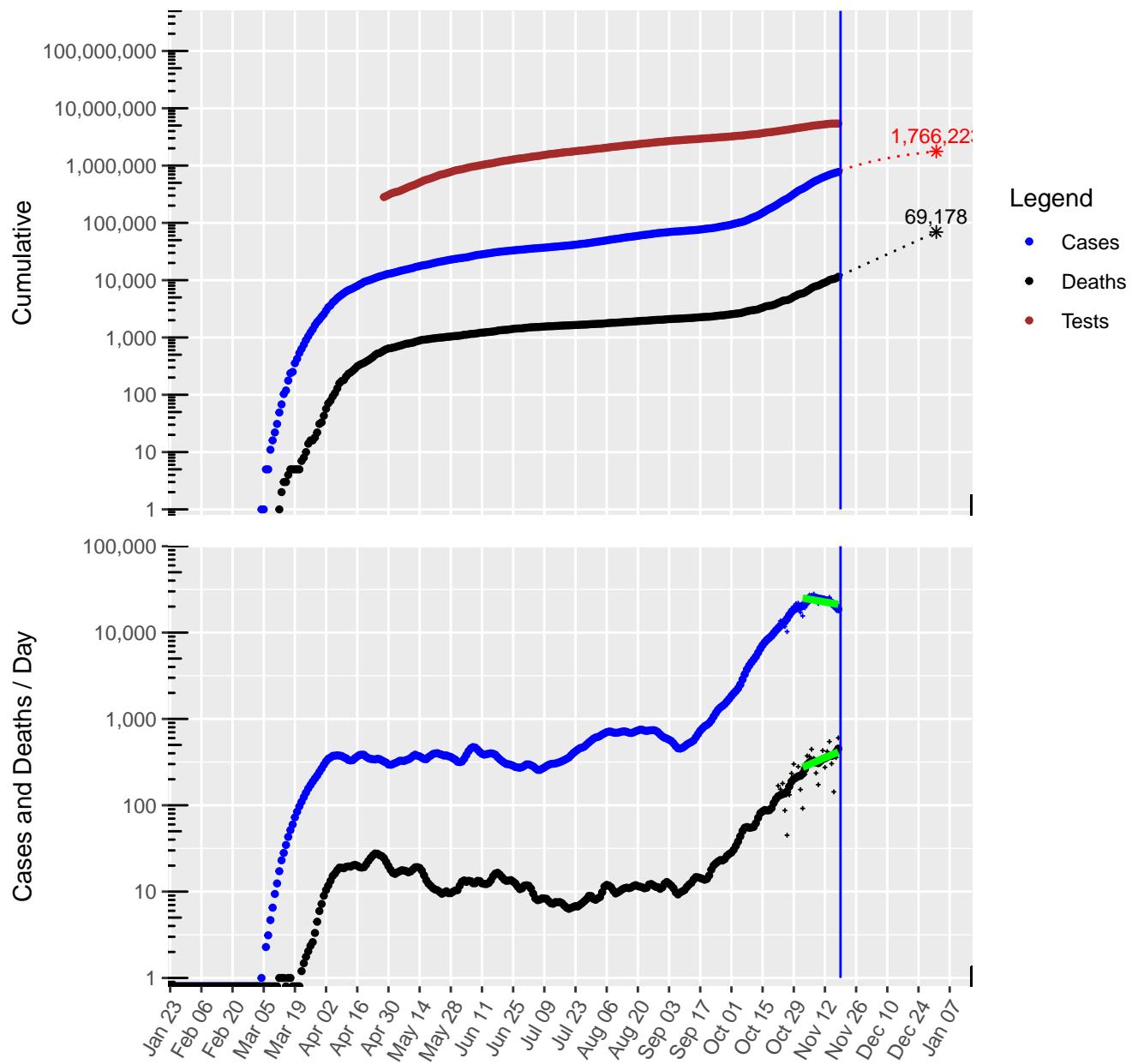


Deaths: 2,006 (11) — Case Mortality: 2.9% — Daily Change: -1.7% Cases, +2.6% Deaths (over 16 days)

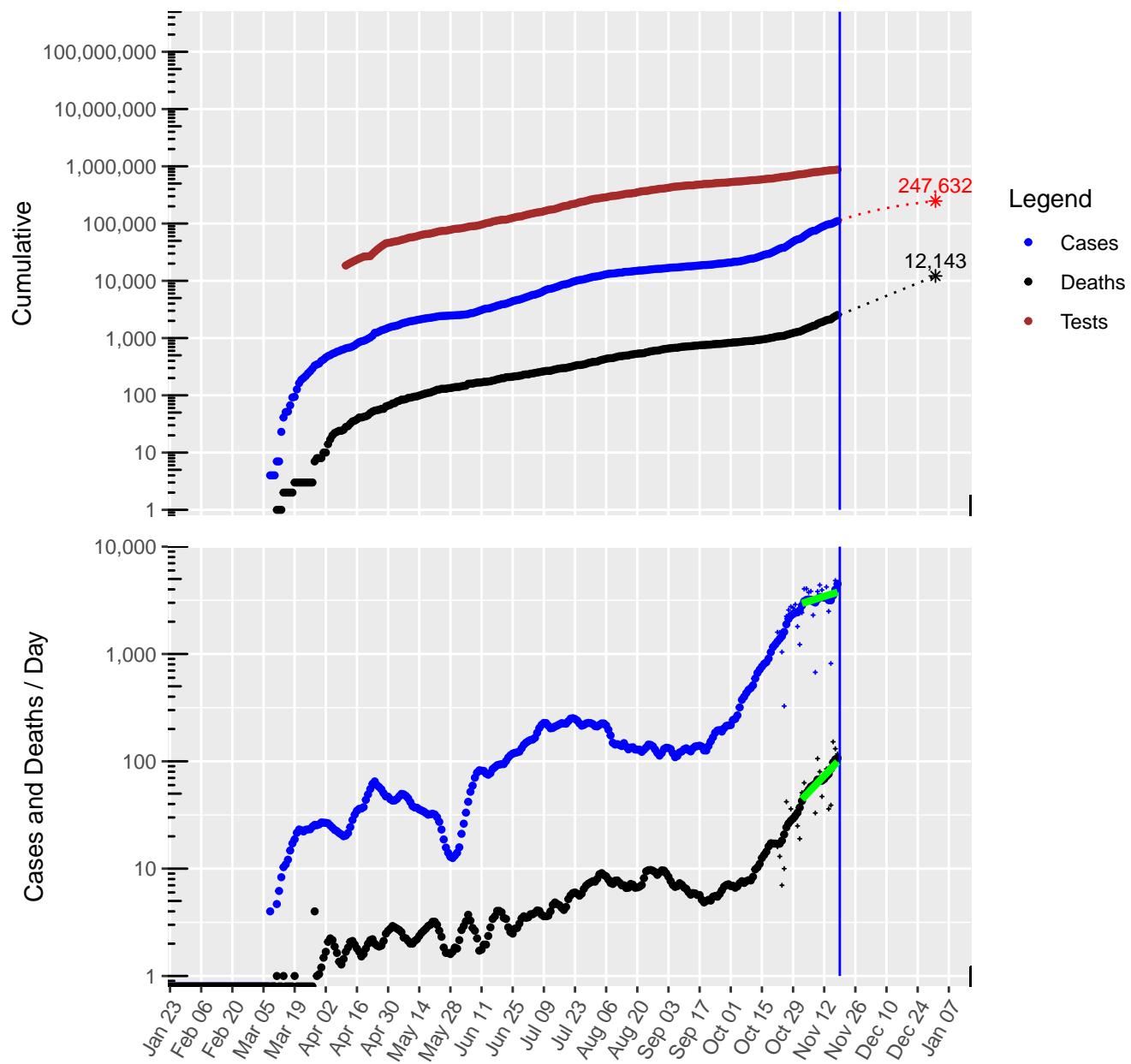
Hungary projection as of 2020-11-19



Poland projection as of 2020-11-19

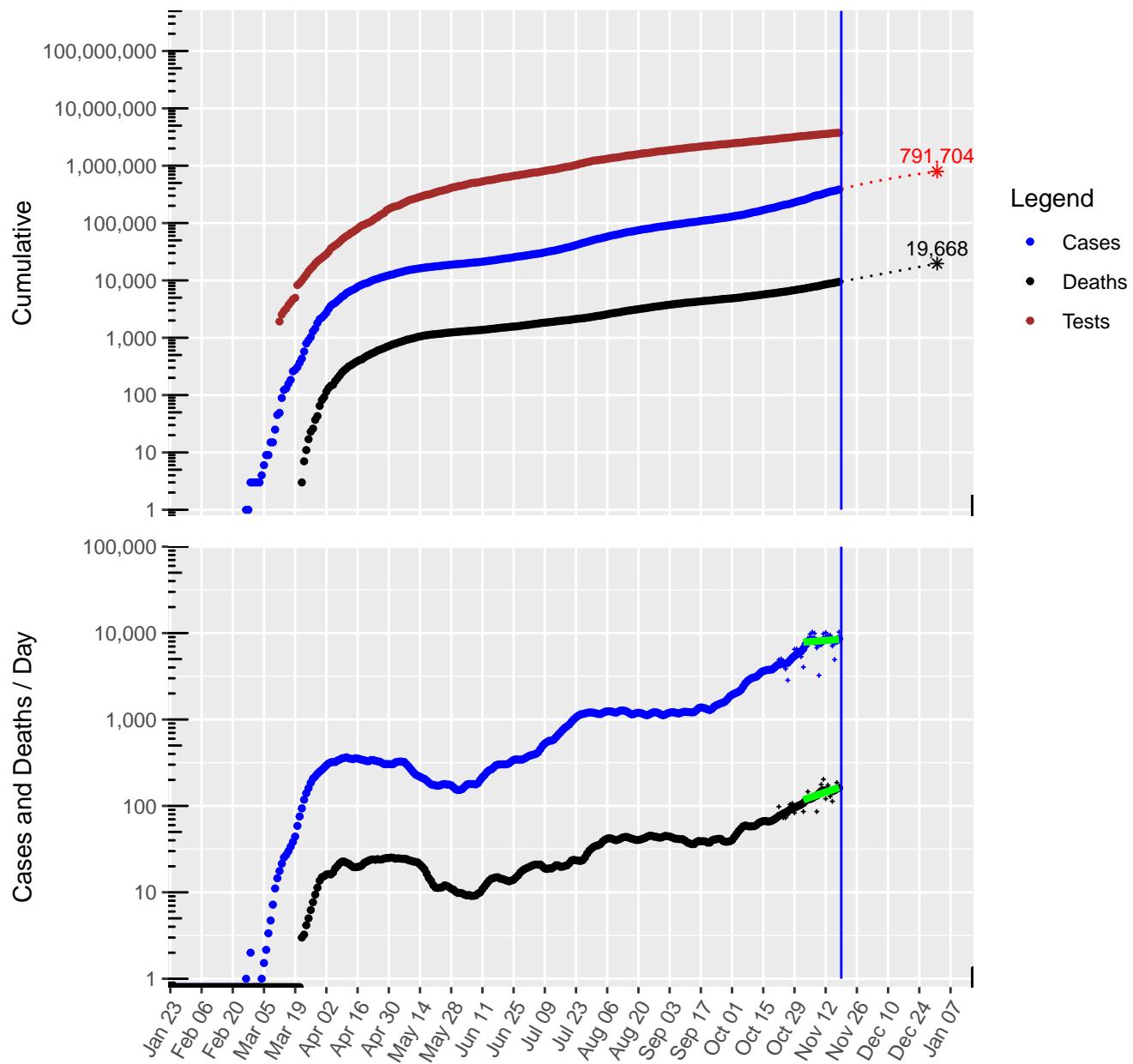


Bulgaria projection as of 2020-11-19

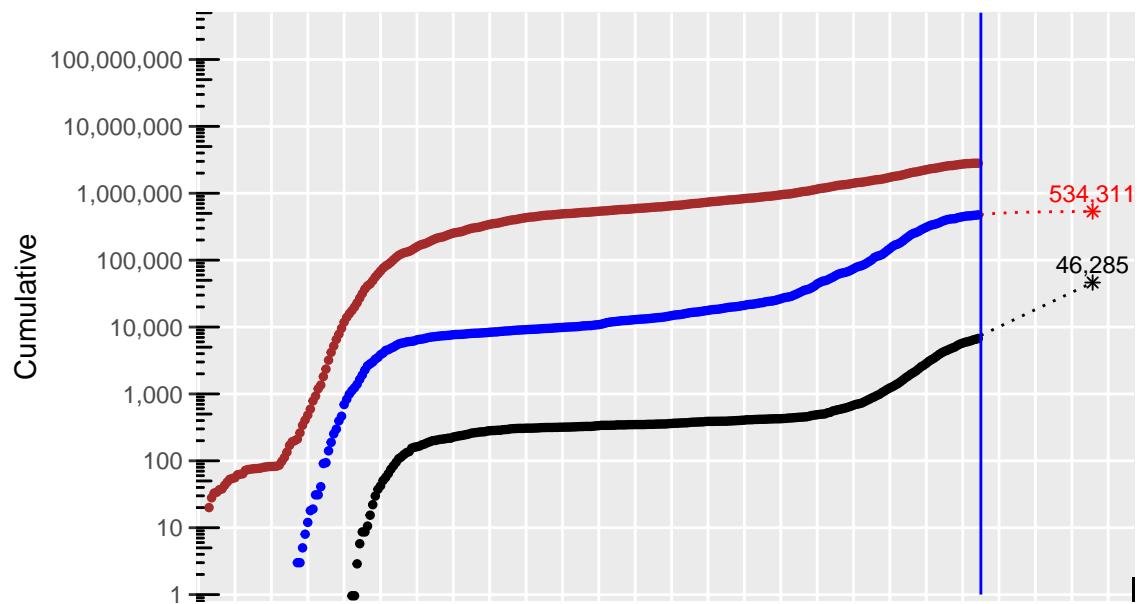


Deaths: 2,530 (117) — Case Mortality: 2.3% — Daily Change: +1.6% Cases, +5.1% Deaths (over 16 days)

Romania projection as of 2020-11-19

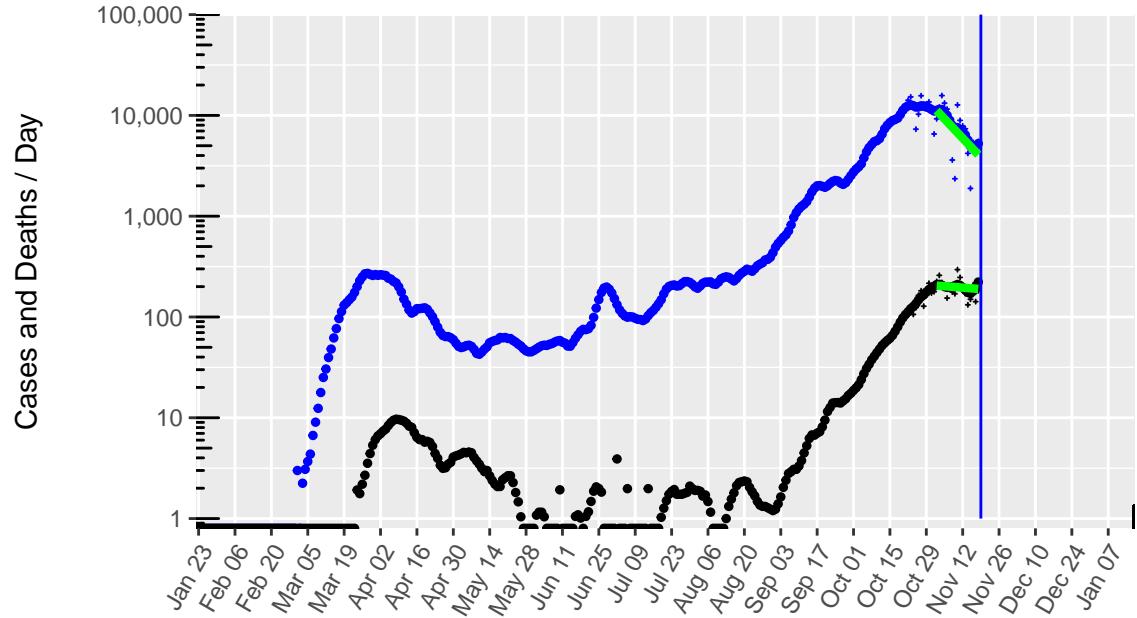


Czech Republic projection as of 2020-11-19



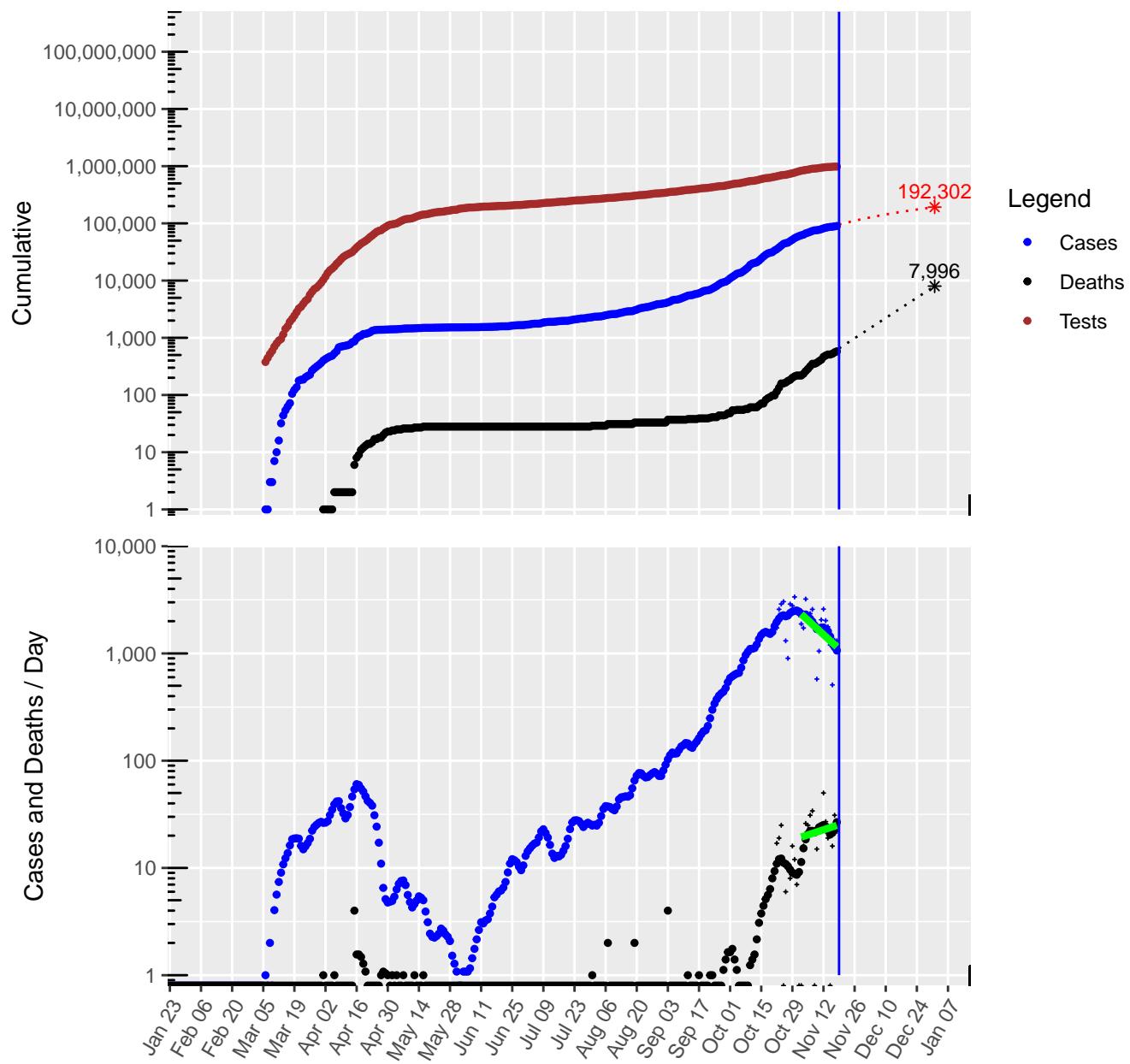
Legend

- Cases
- Deaths
- Tests



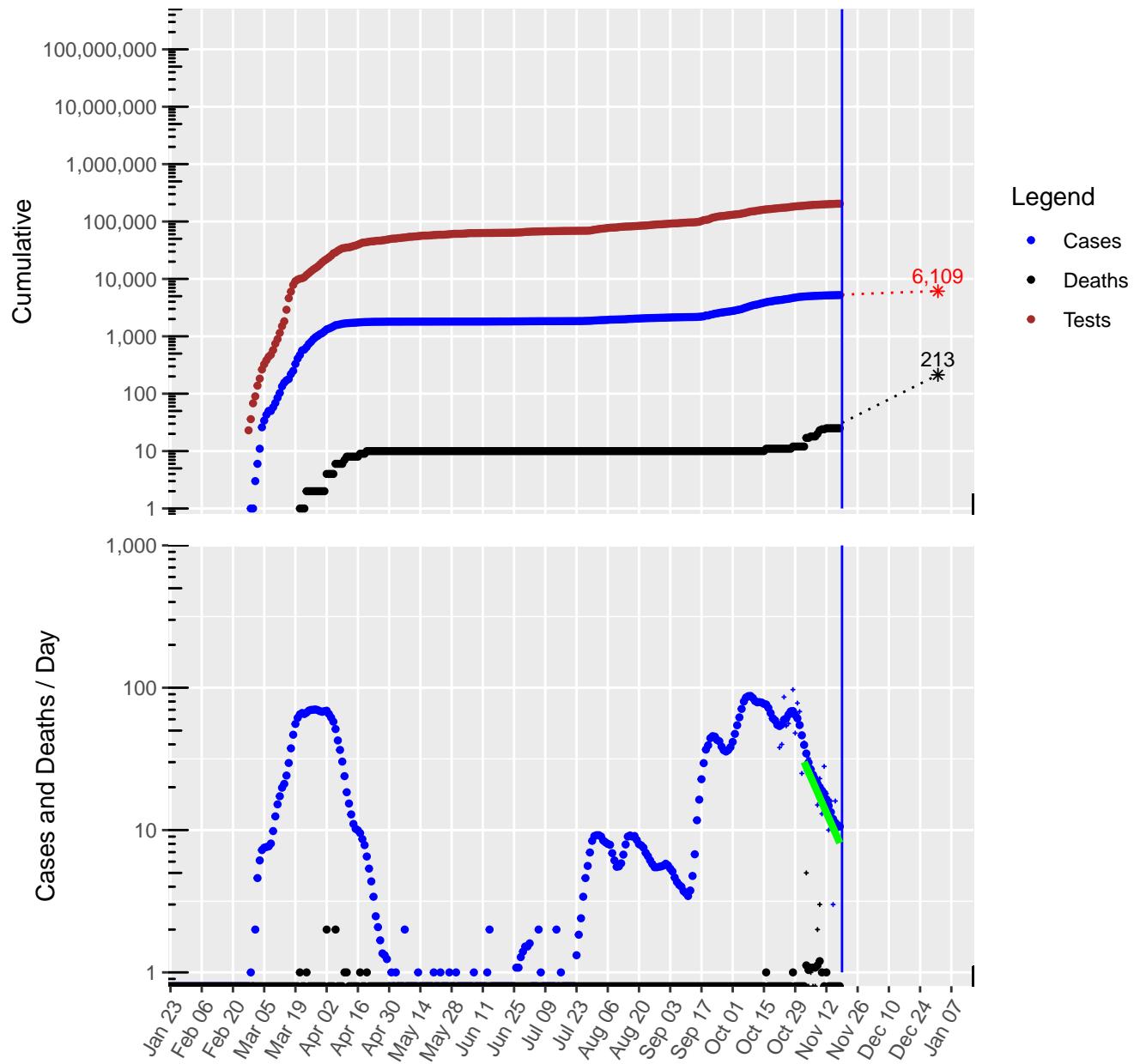
Mortality: 6,740 (182) — Case Mortality: 1.4% — Daily Change: -6.2% Cases, -0.5% Deaths (over 16 days)

Slovakia projection as of 2020-11-19

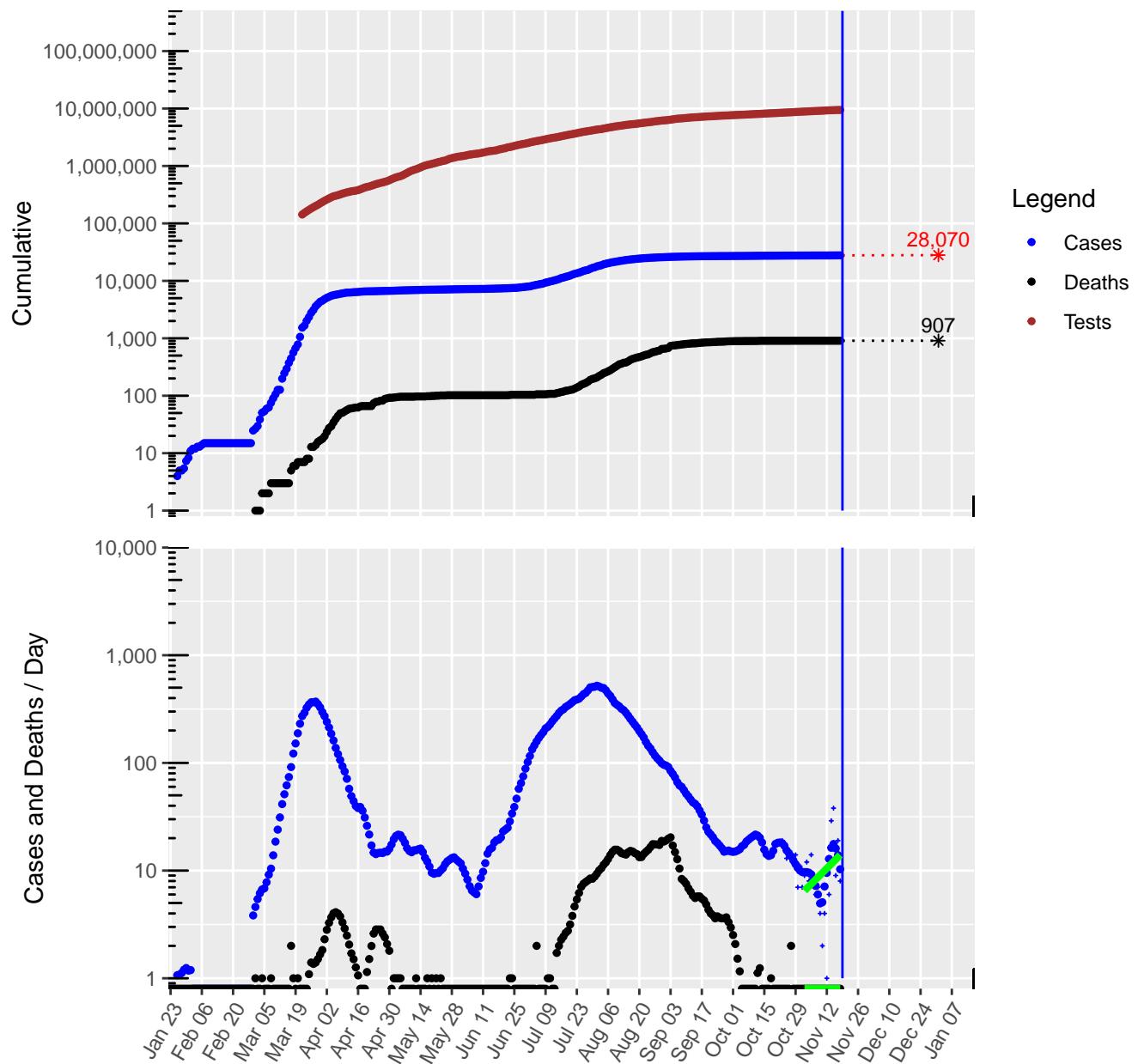


Deaths: 579 (22) — Case Mortality: 0.6% — Daily Change: -4.5% Cases, +1.7% Deaths (over 16 days)

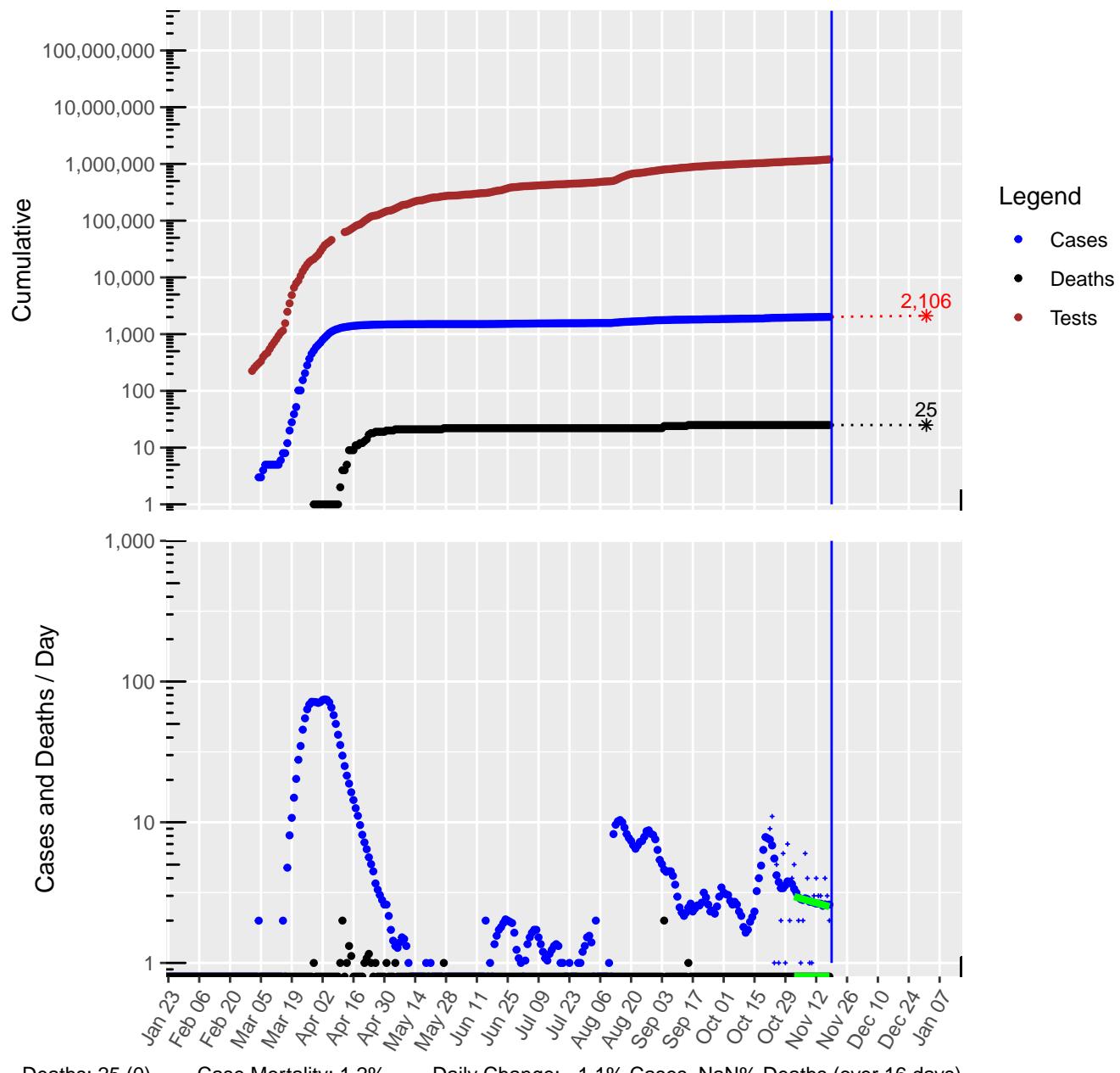
Iceland projection as of 2020-11-19



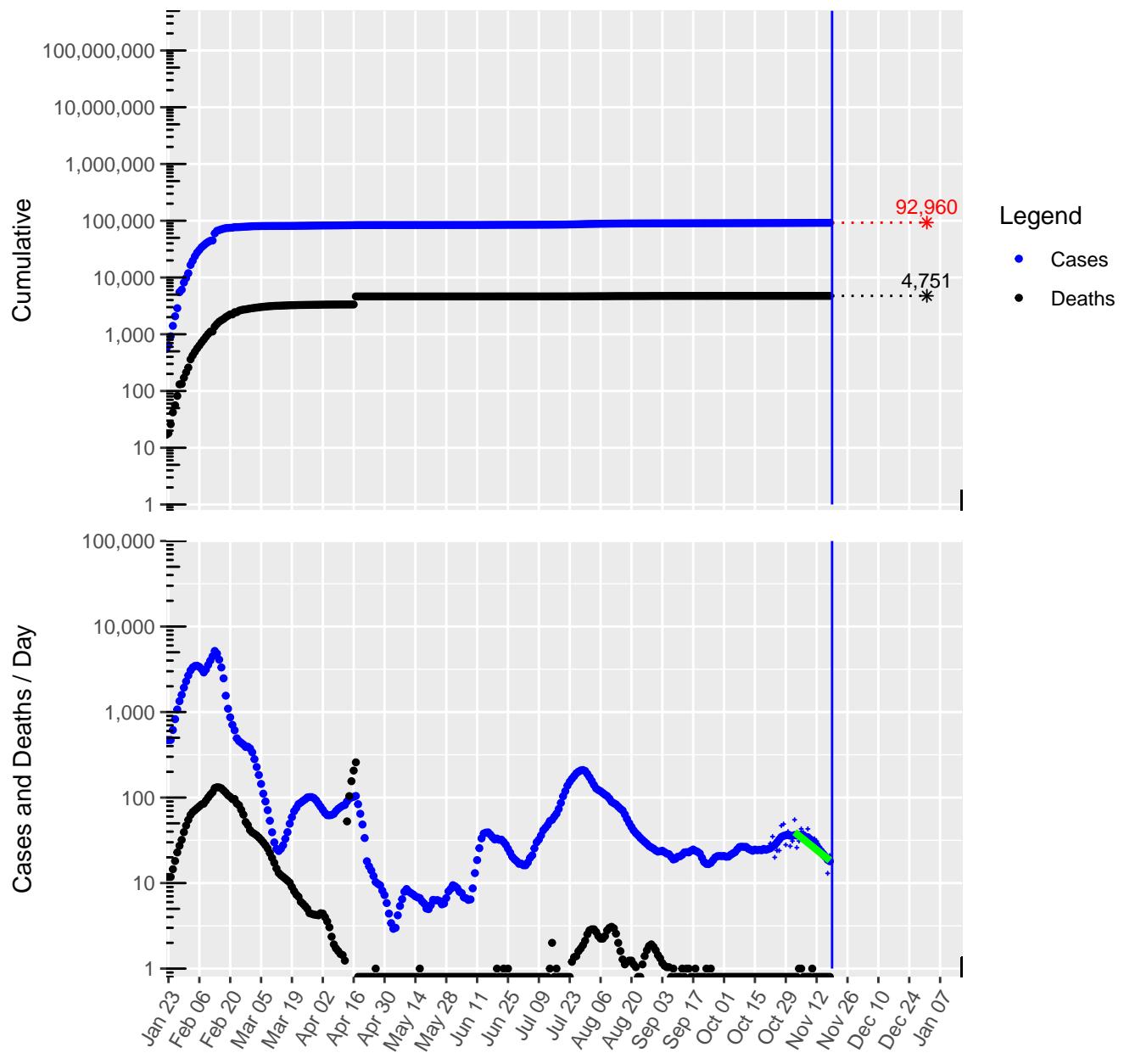
Australia projection as of 2020-11-19



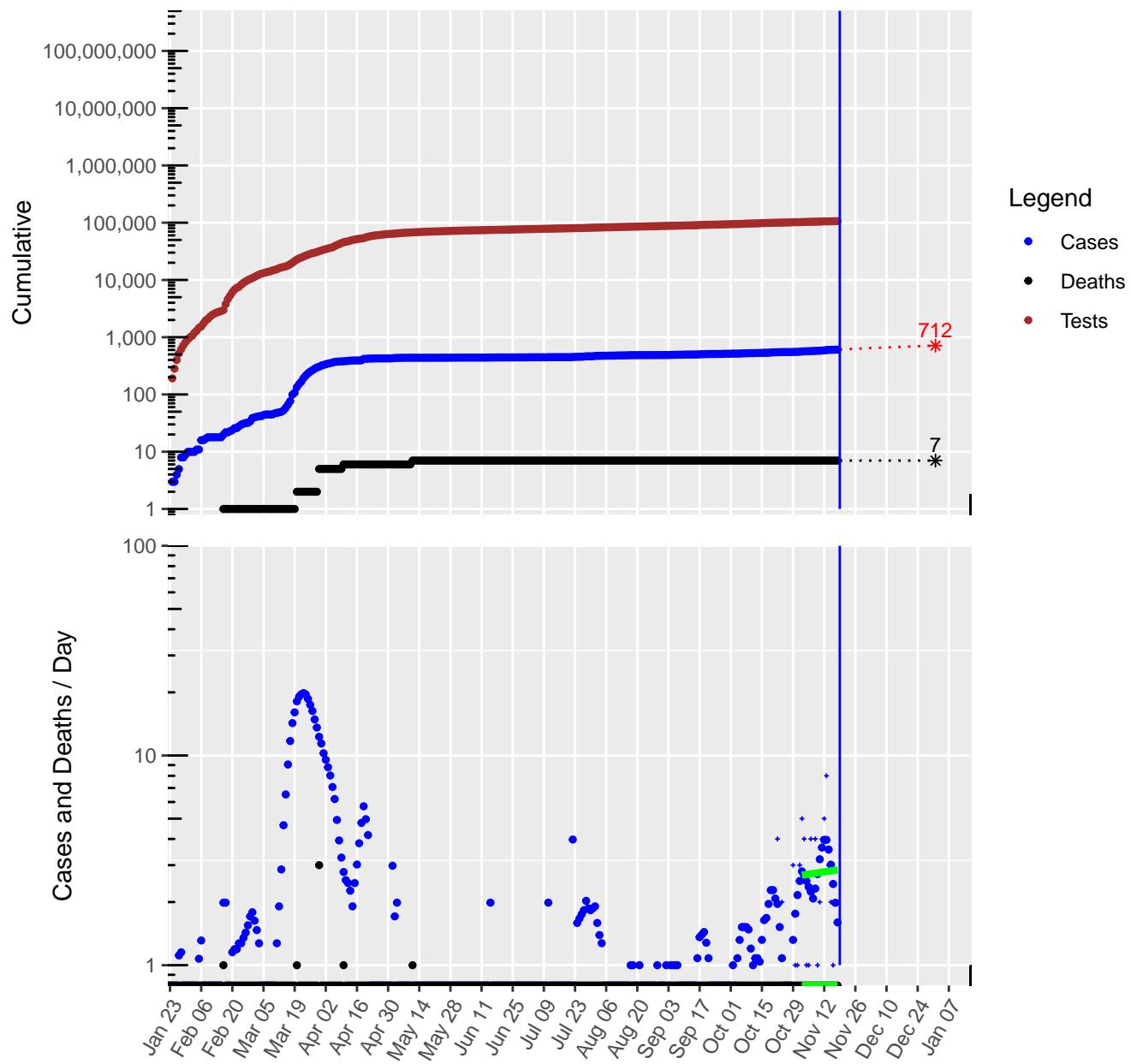
New Zealand projection as of 2020-11-19



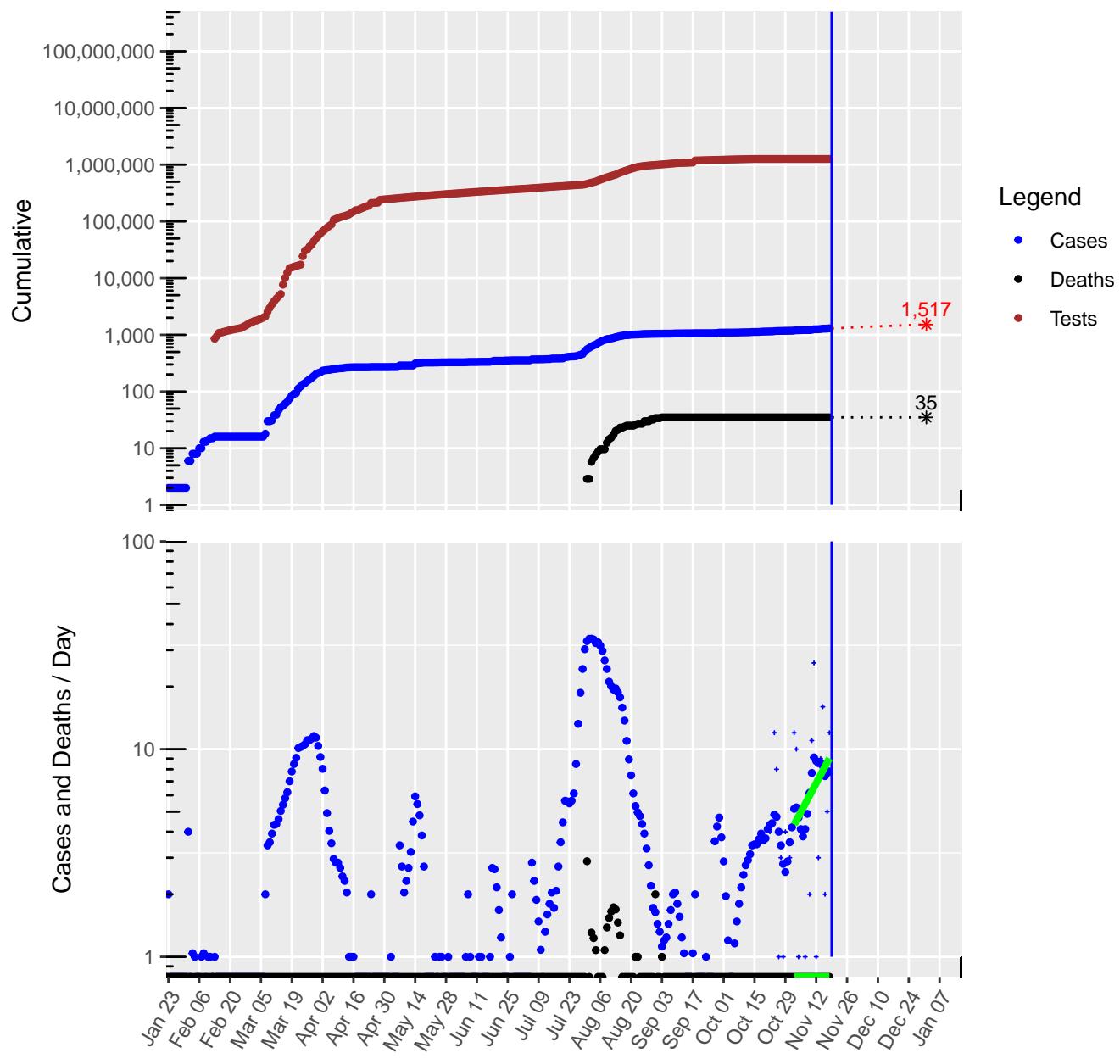
China projection as of 2020-11-19



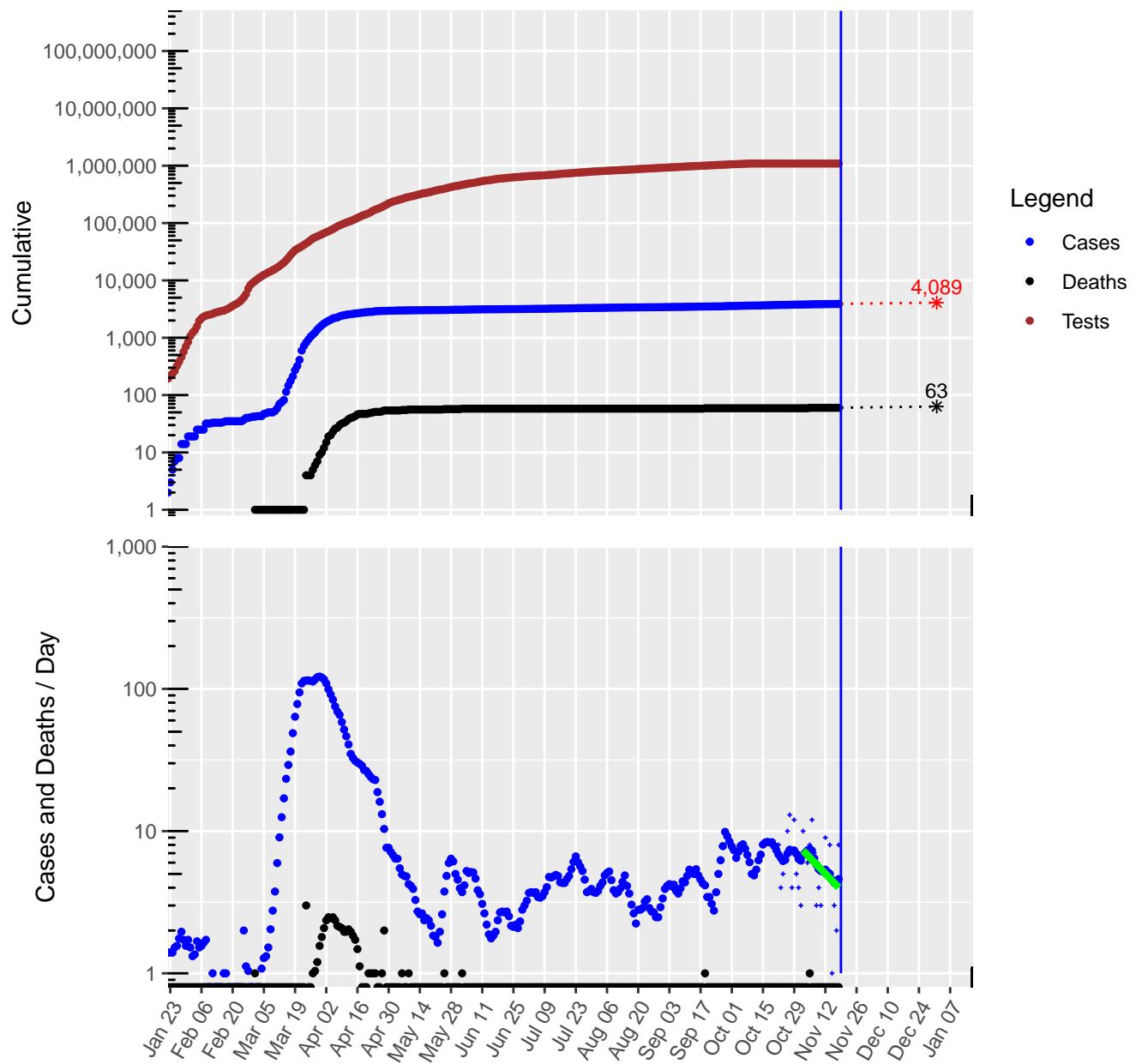
Taiwan projection as of 2020-11-19



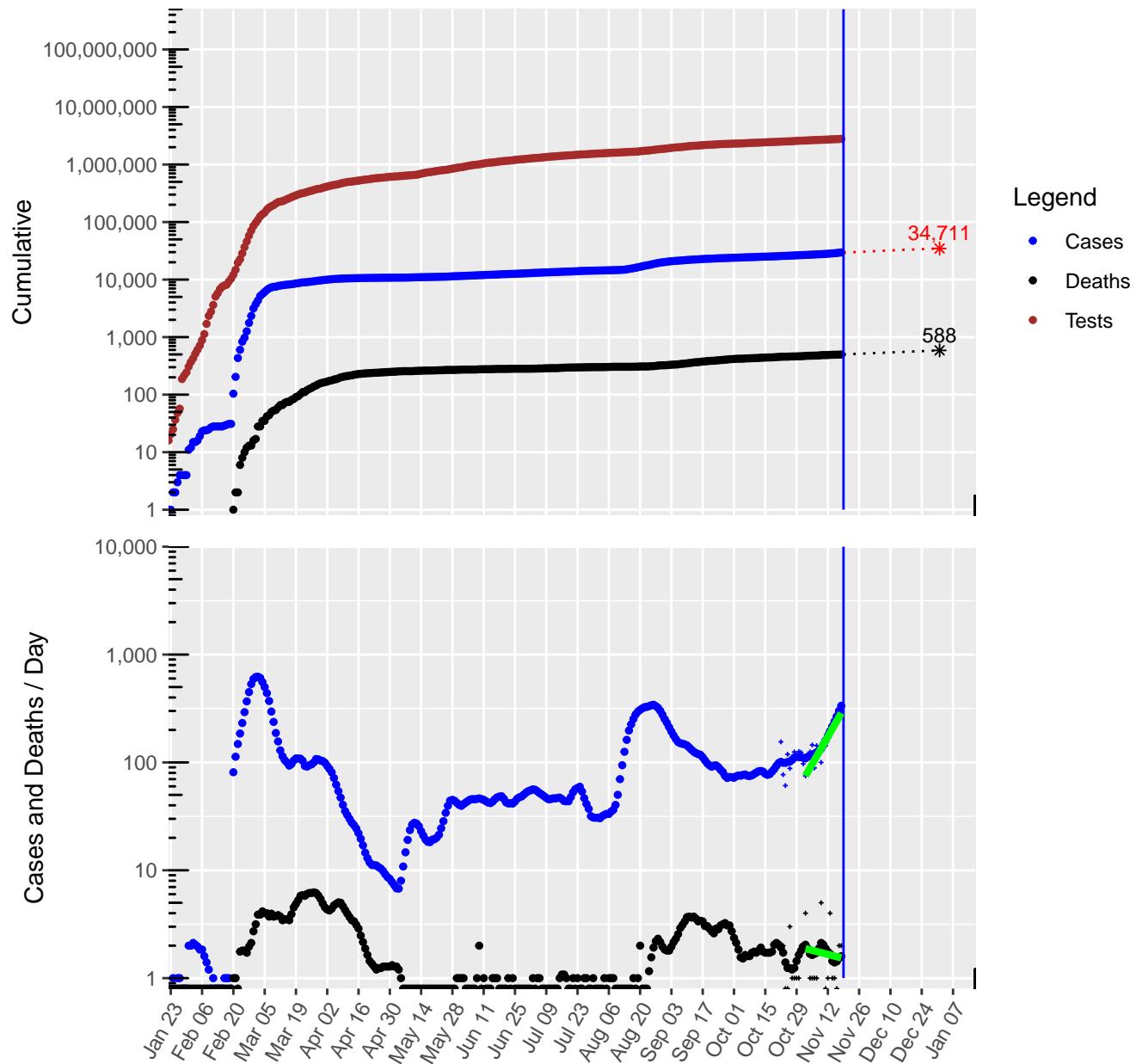
Vietnam projection as of 2020-11-19



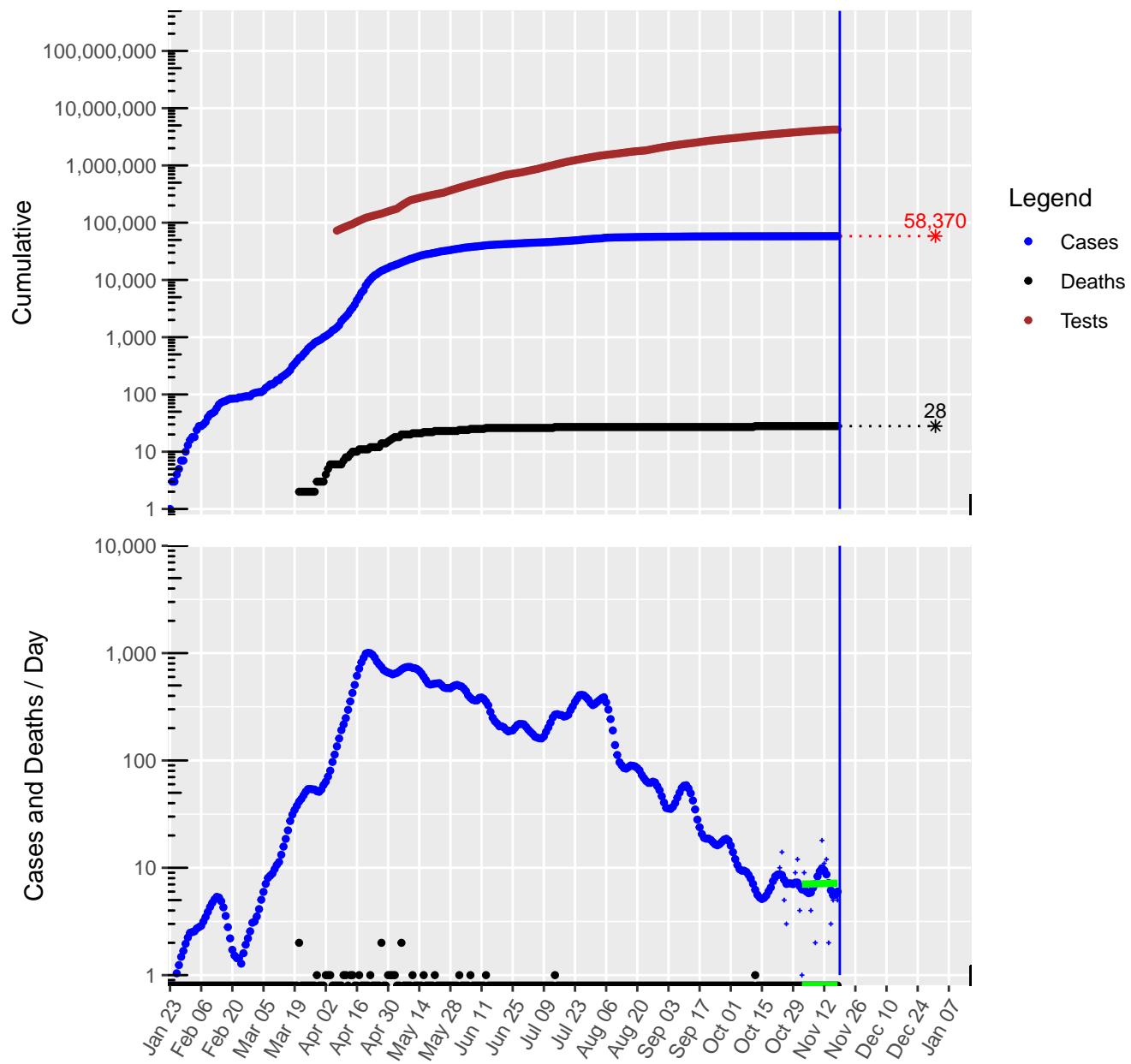
Thailand projection as of 2020-11-19



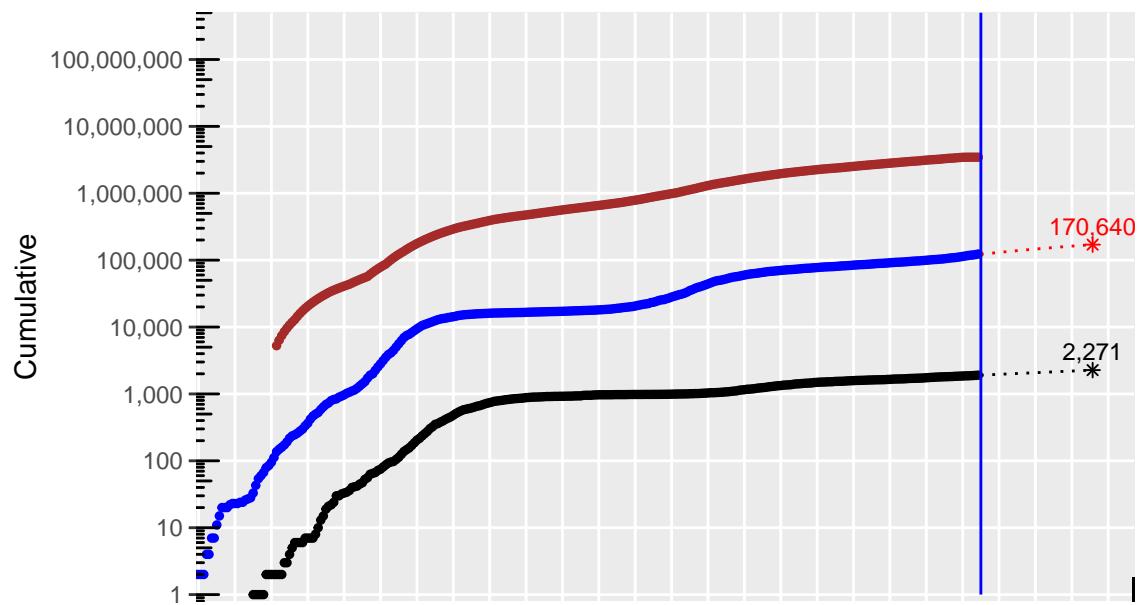
South Korea projection as of 2020-11-19



Singapore projection as of 2020-11-19

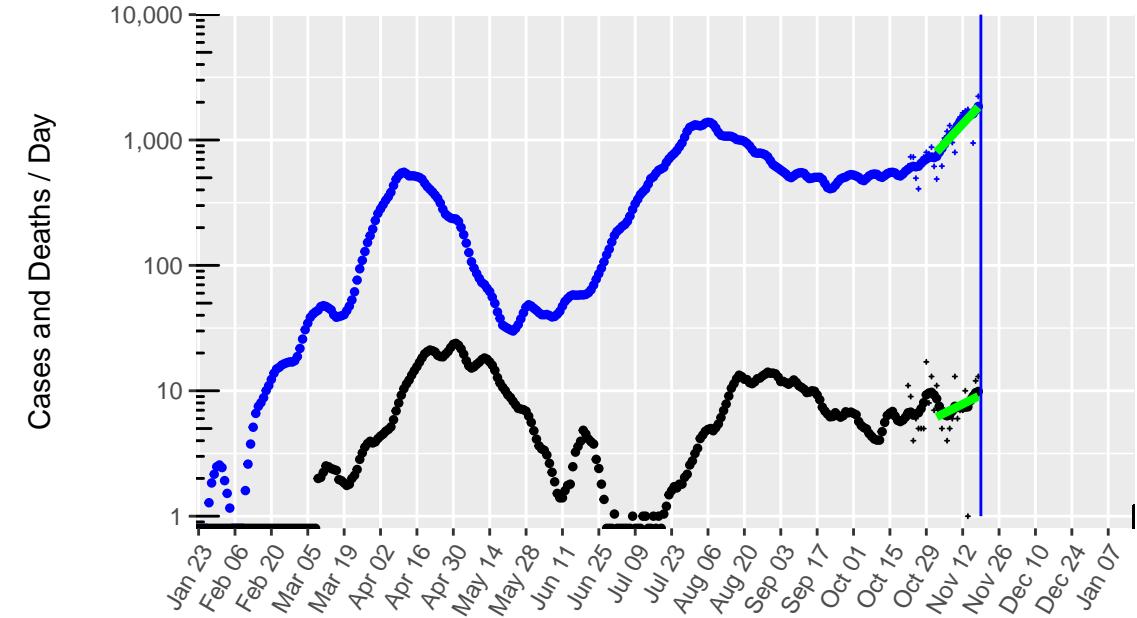


Japan projection as of 2020-11-19



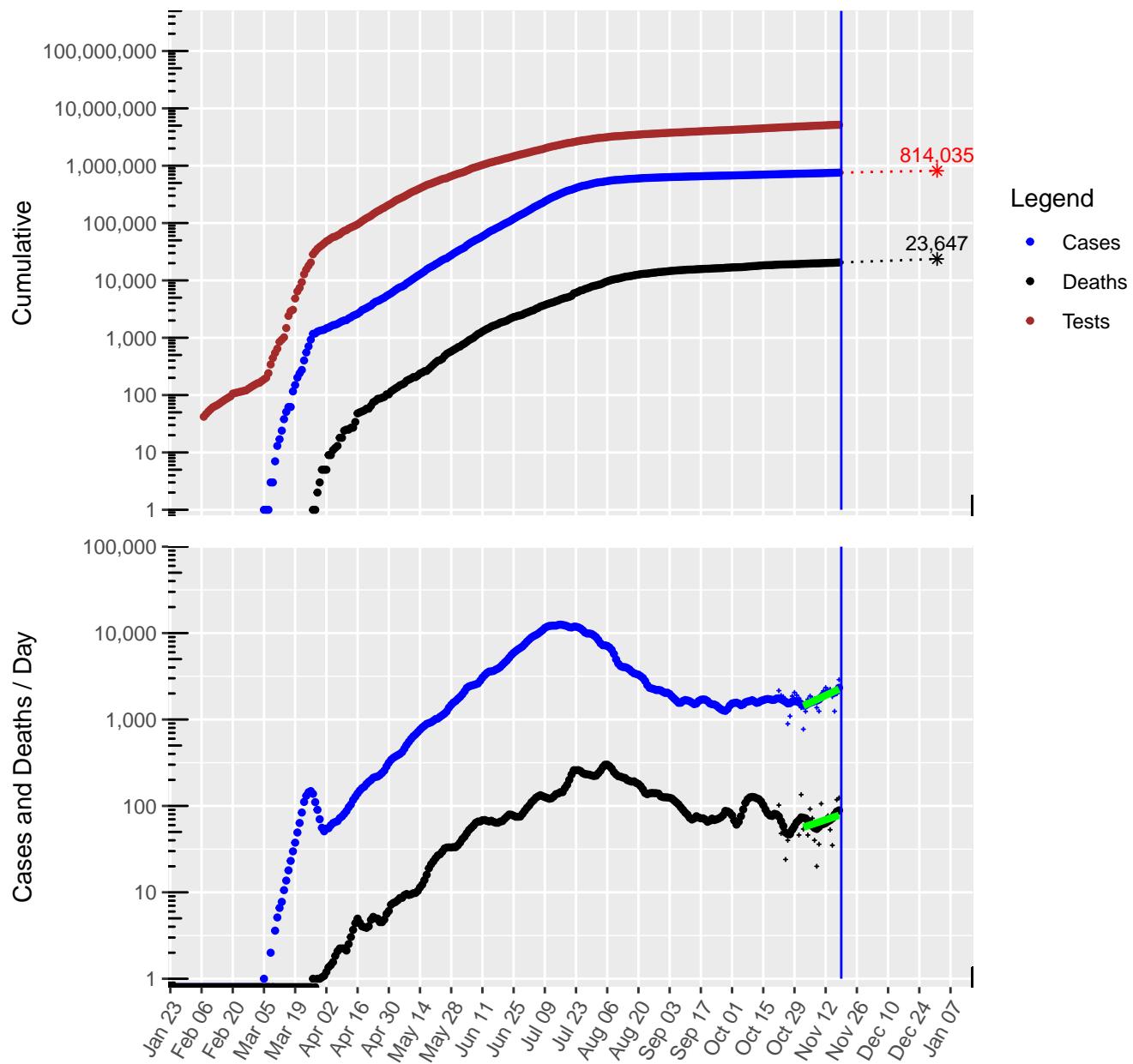
Legend

- Cases
- Deaths
- Tests

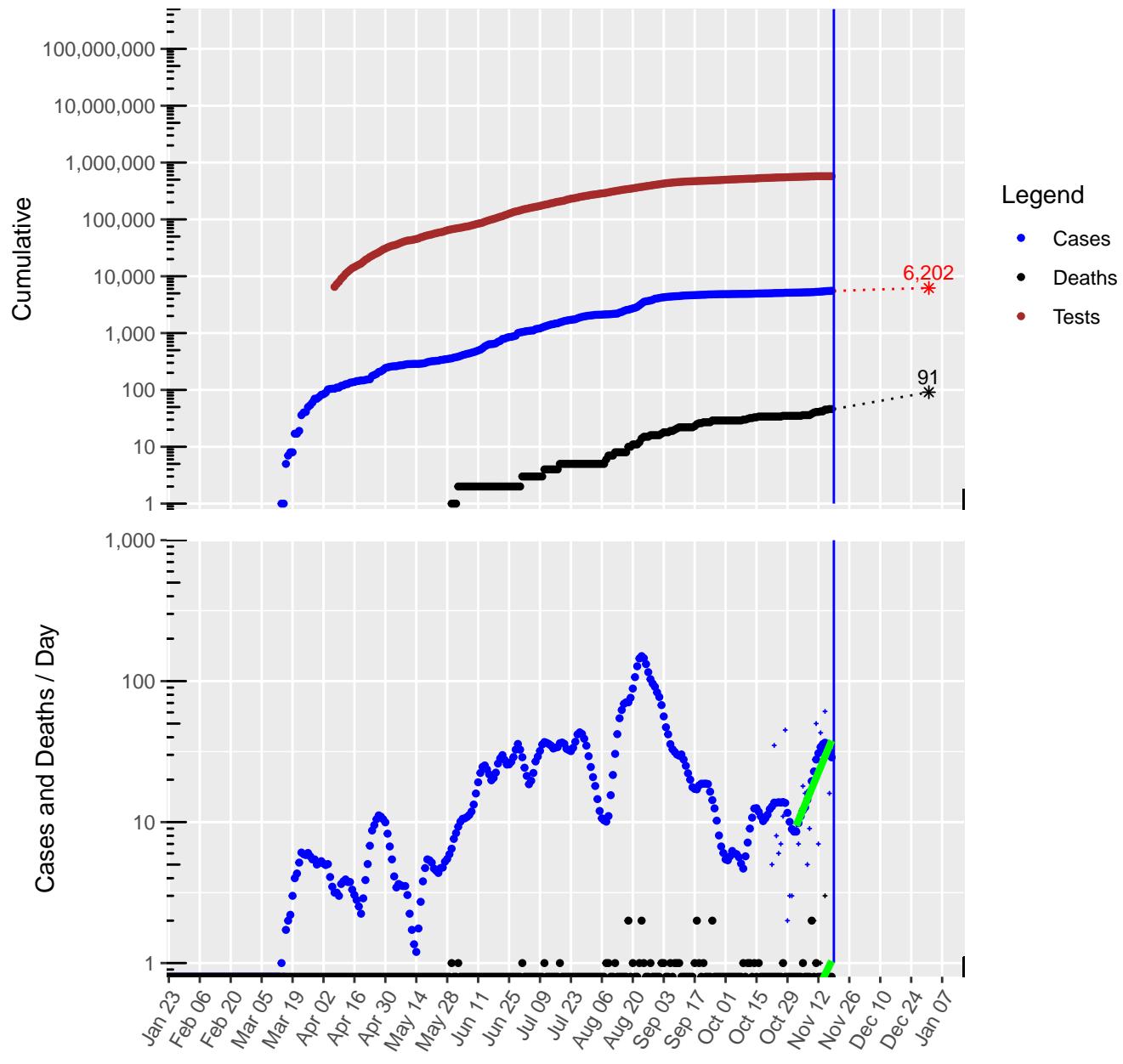


Deaths: 1,908 (13) — Case Mortality: 1.5% — Daily Change: +5.2% Cases, +2.5% Deaths (over 16 days)

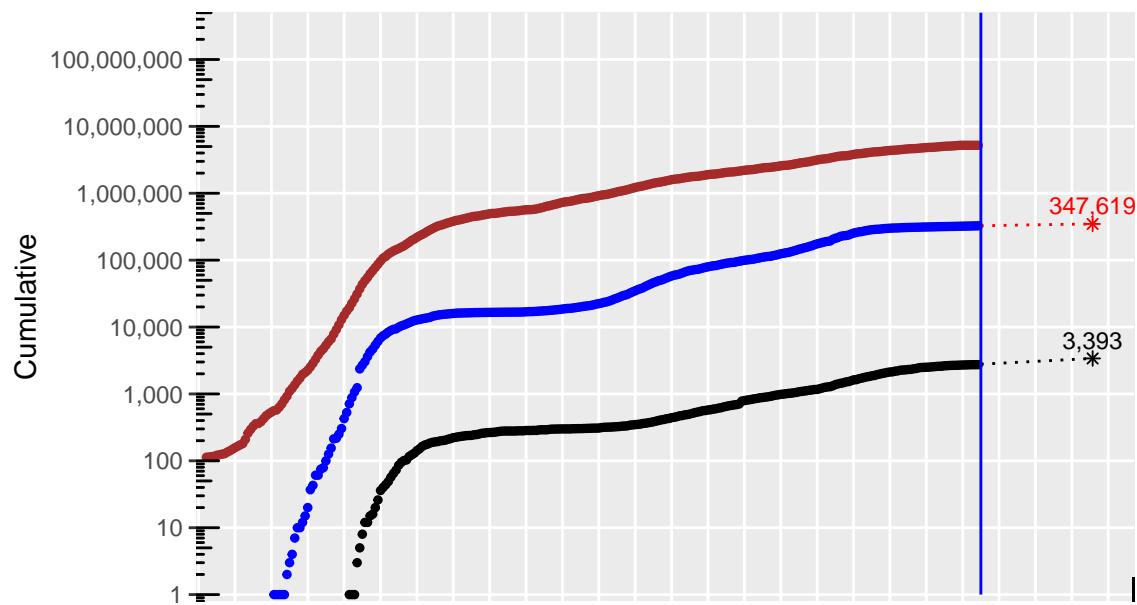
South Africa projection as of 2020-11-19



Rwanda projection as of 2020-11-19

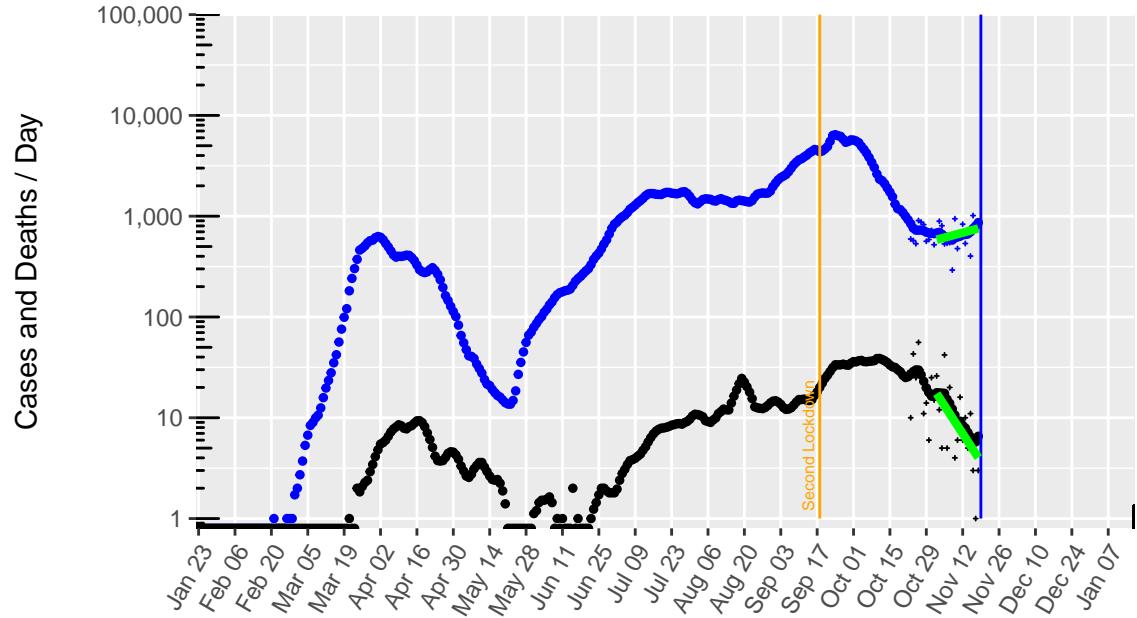


Israel projection as of 2020-11-19



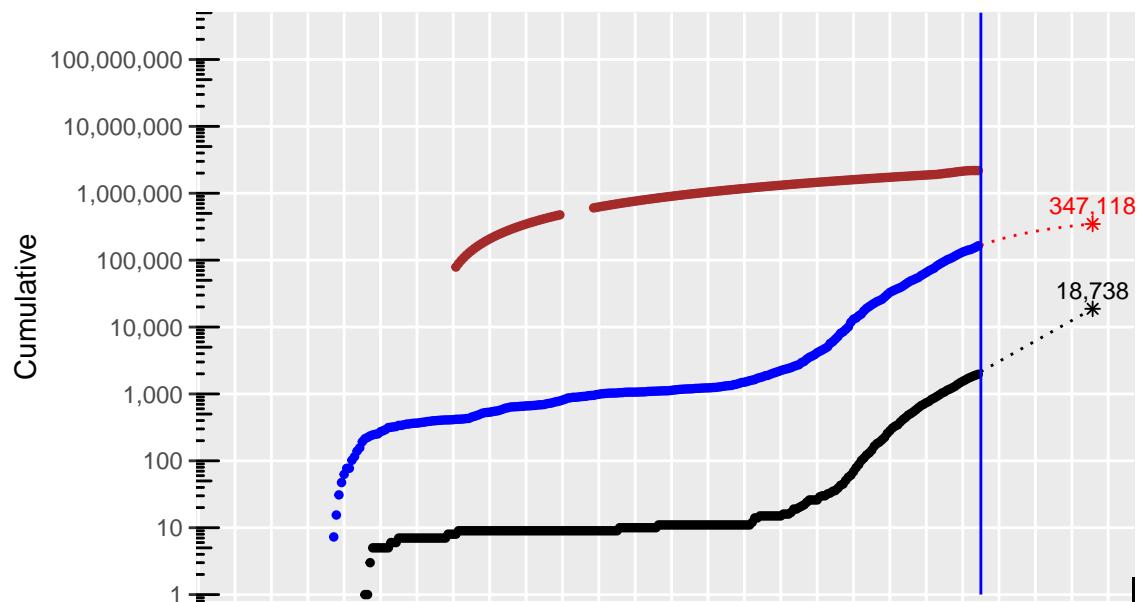
Legend

- Cases
- Deaths
- Tests



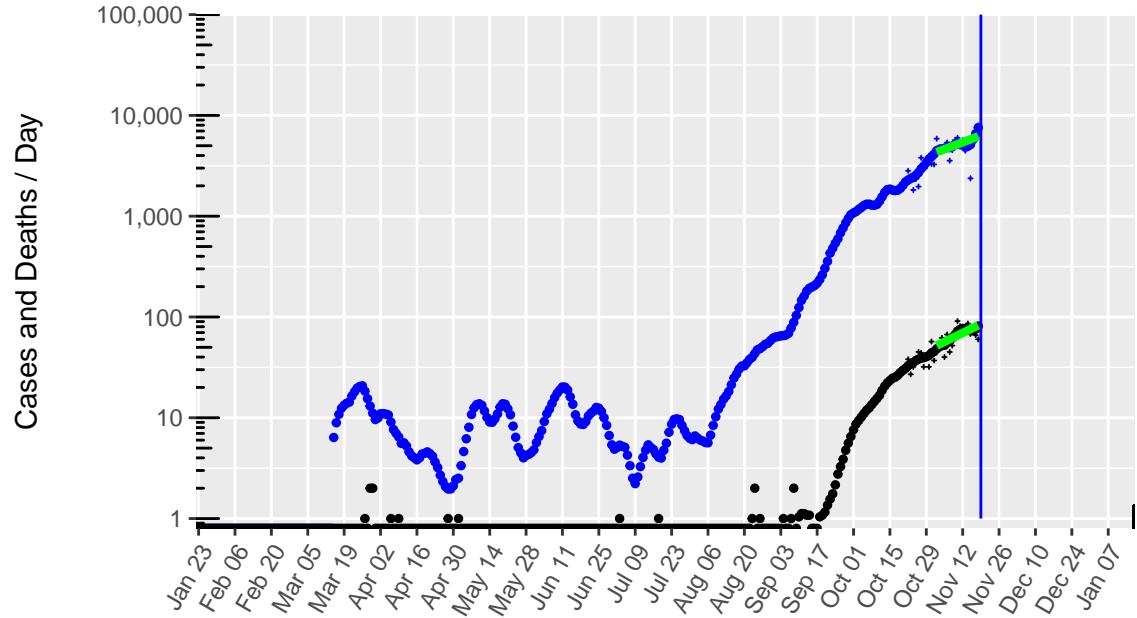
Deaths: 2,739 (3) — Case Mortality: 0.8% — Daily Change: +1.7% Cases, -8.3% Deaths (over 16 days)

Jordan projection as of 2020-11-19



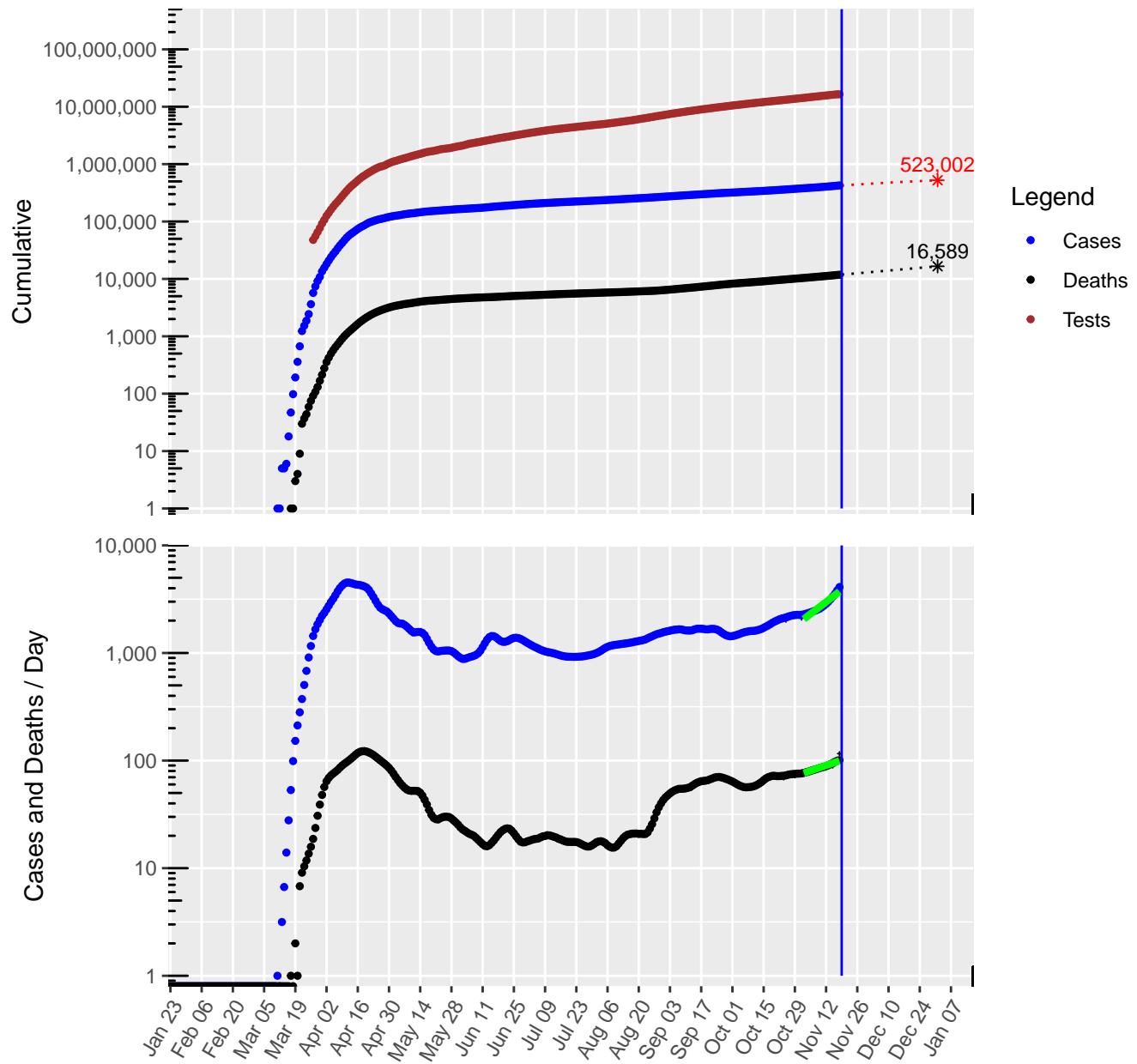
Legend

- Cases
- Deaths
- Tests



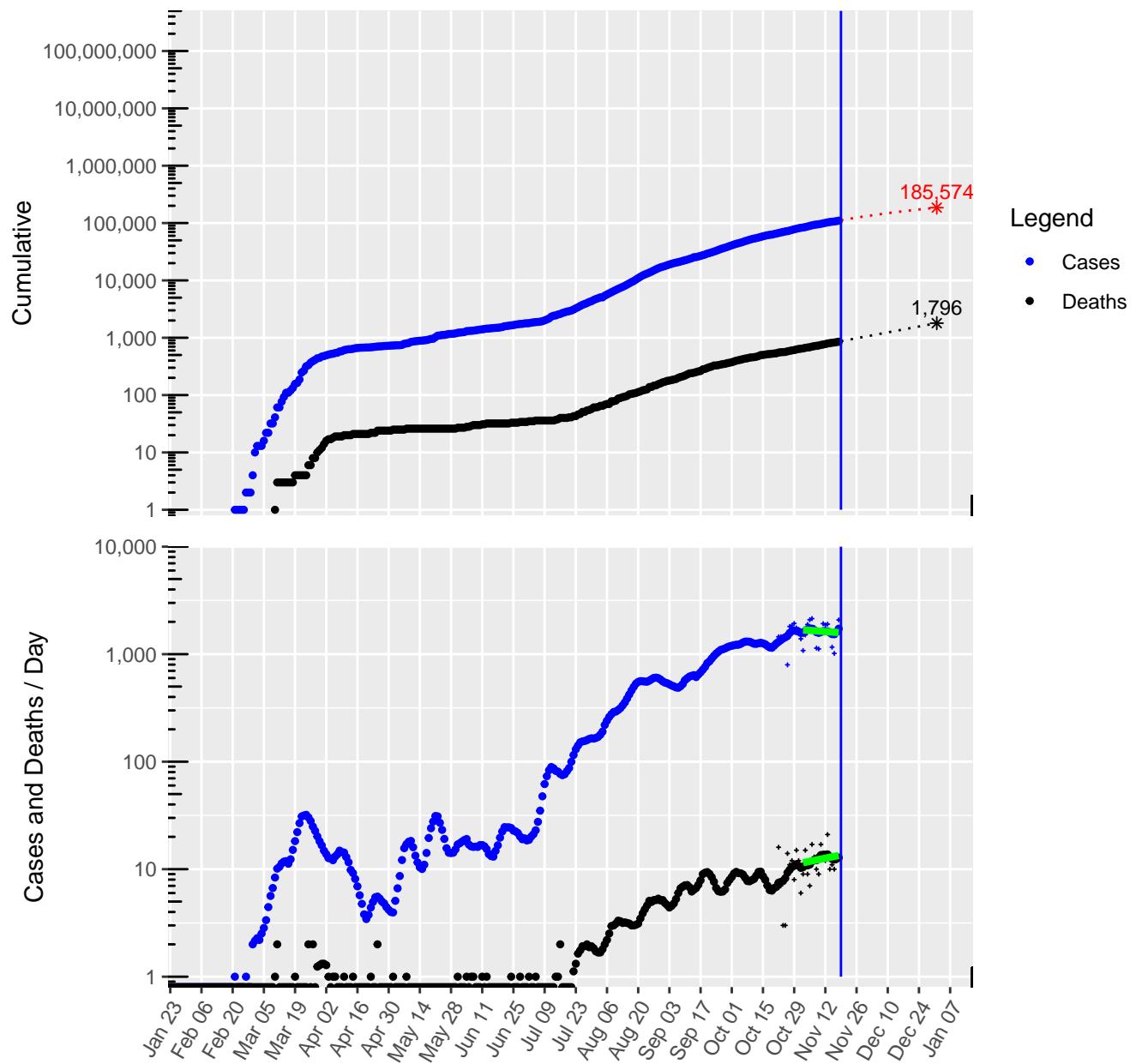
Deaths: 1,969 (60) — Case Mortality: 1.2% — Daily Change: +2.4% Cases, +3.0% Deaths (over 16 days)

Turkey projection as of 2020-11-19

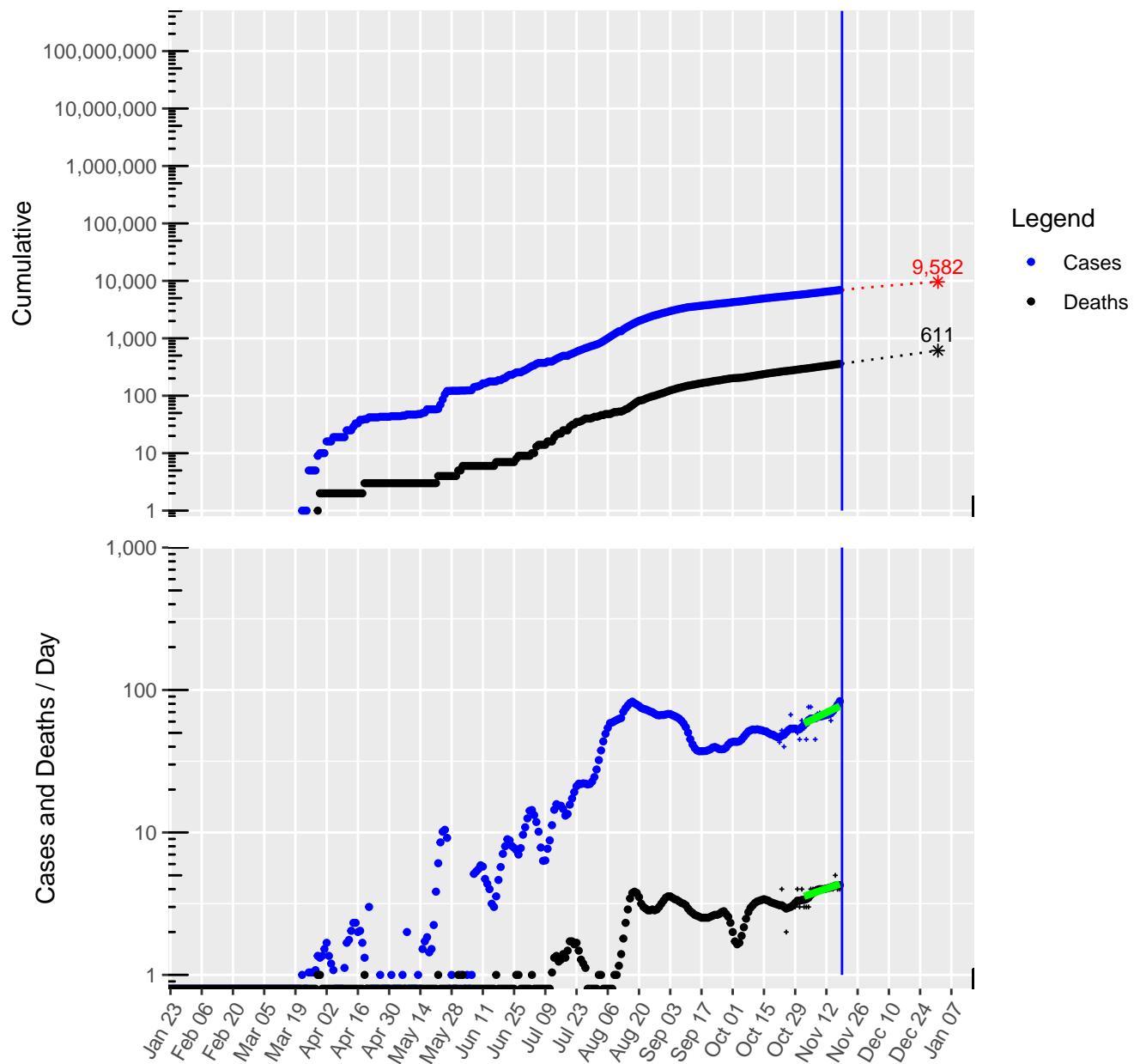


ths: 11,820 (116) — Case Mortality: 2.8% — Daily Change: +3.8% Cases, +1.7% Deaths (over 16 days)

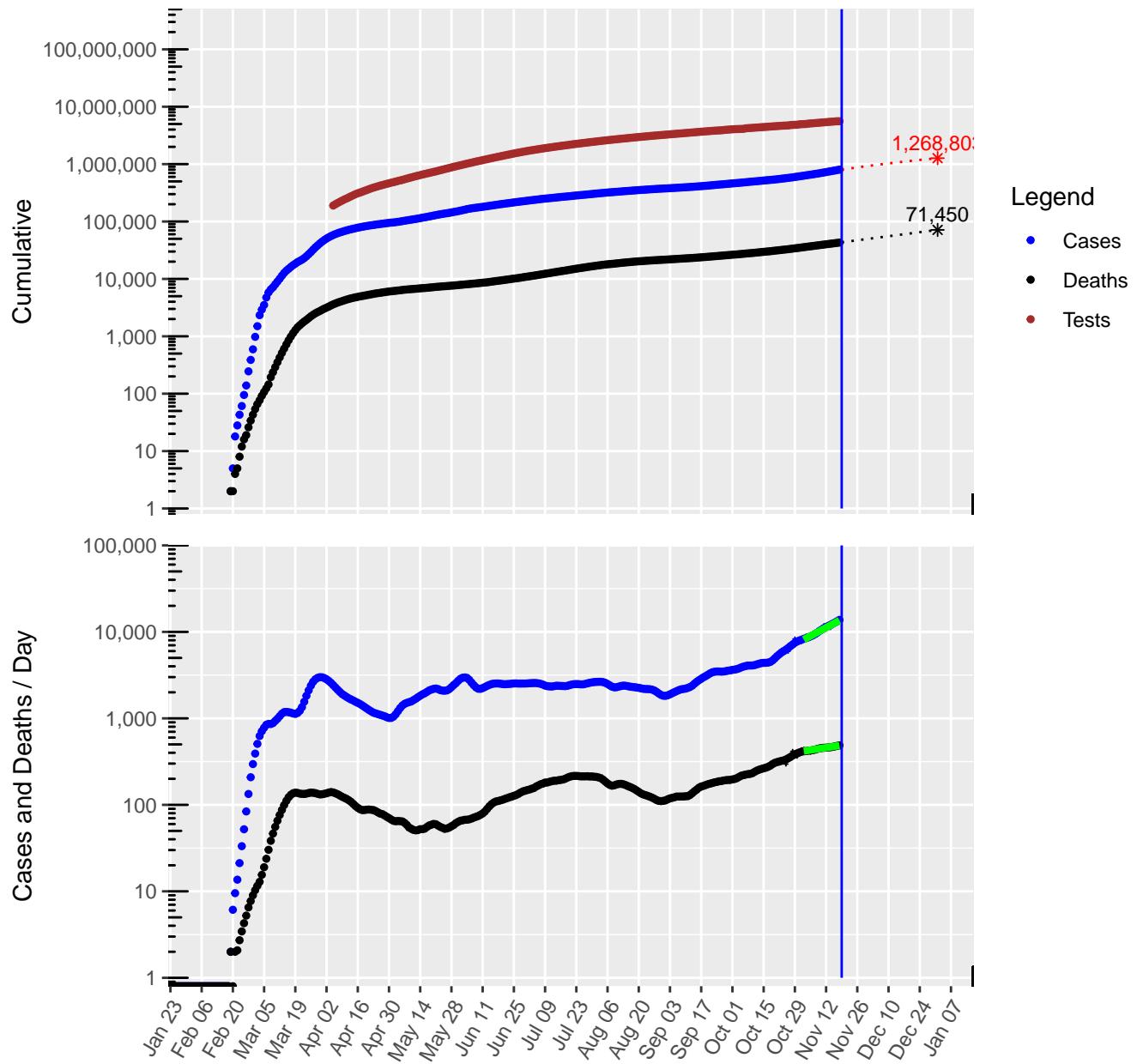
Lebanon projection as of 2020-11-19



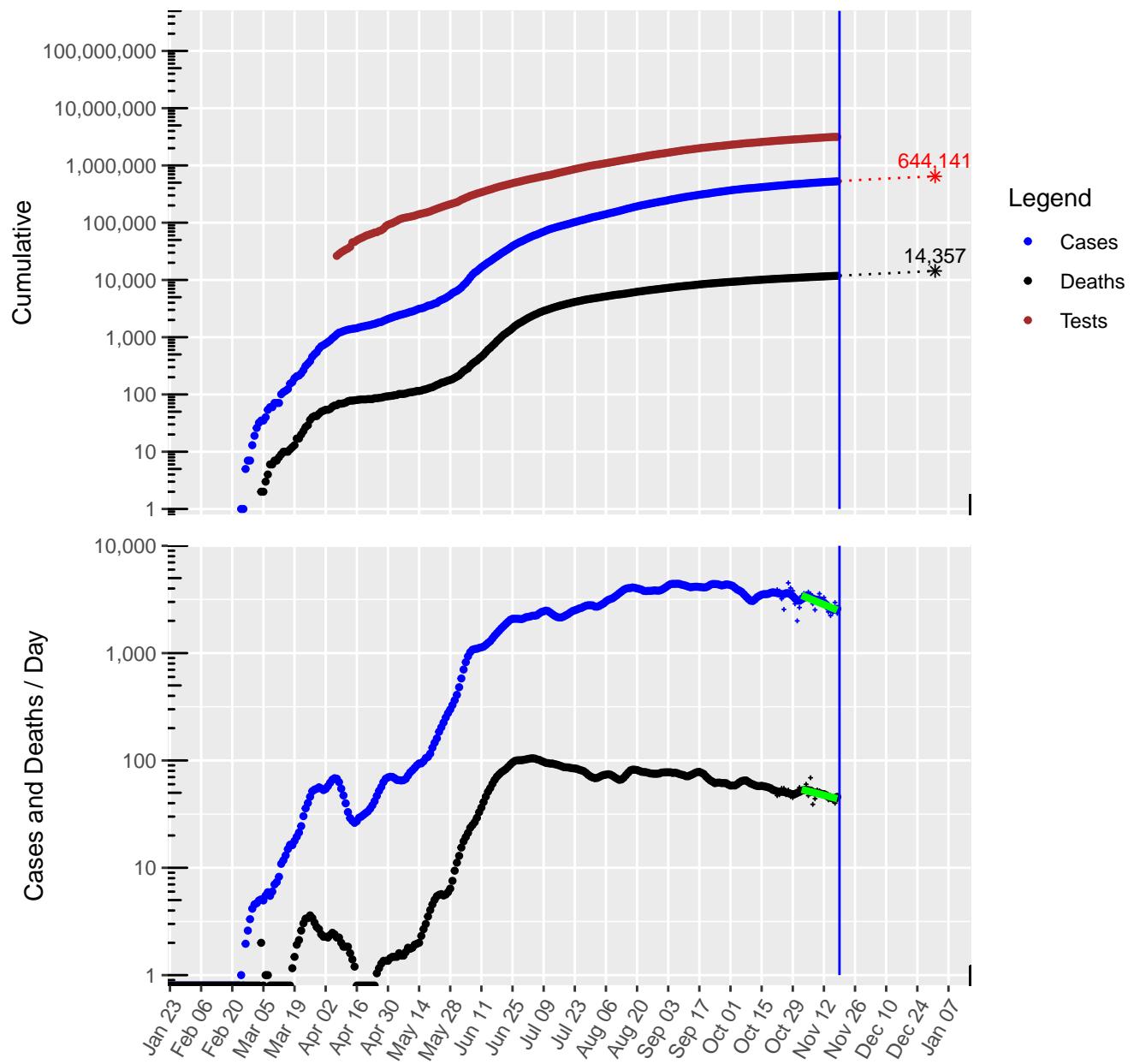
Syria projection as of 2020-11-19



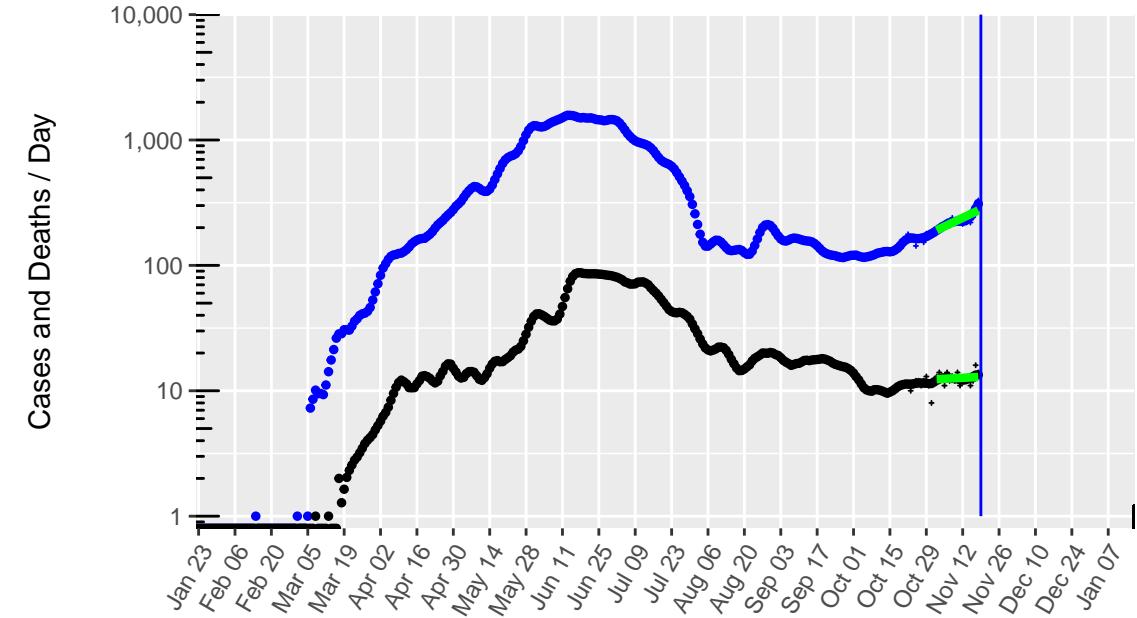
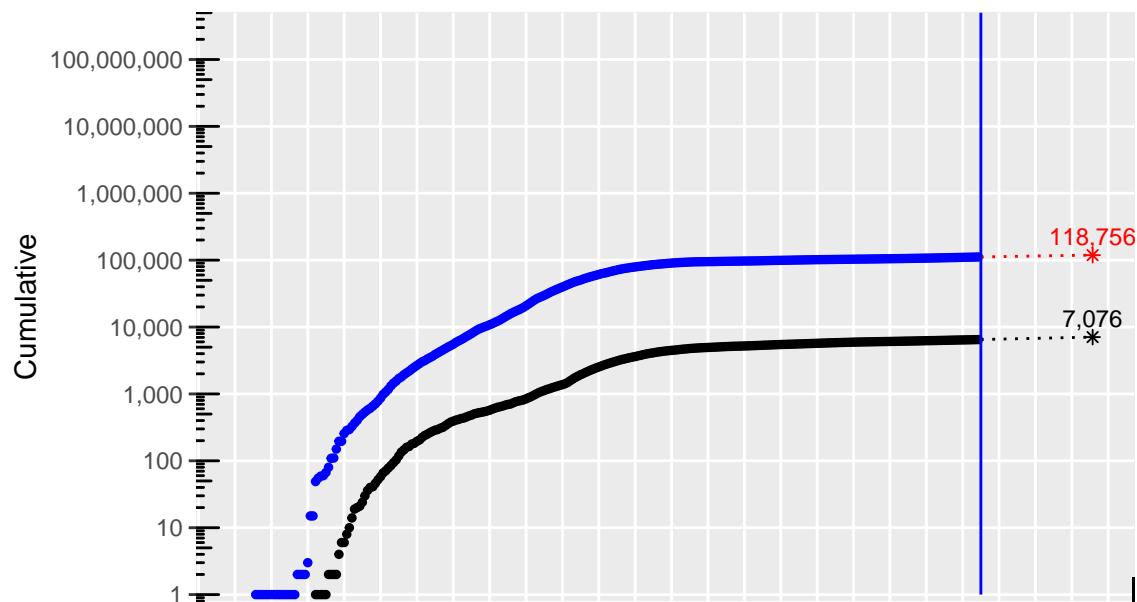
Iran projection as of 2020-11-19



Iraq projection as of 2020-11-19

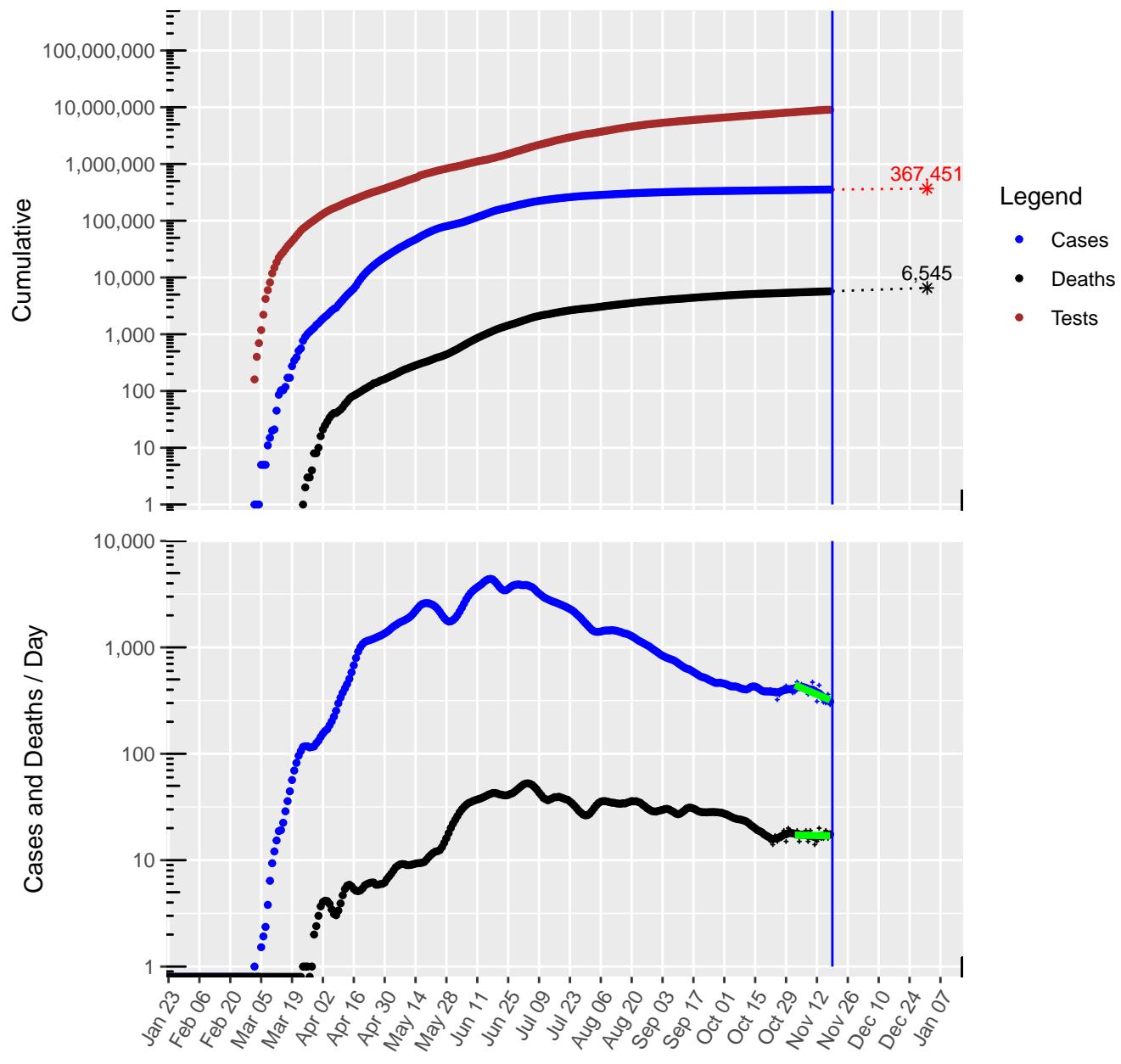


Egypt projection as of 2020-11-19

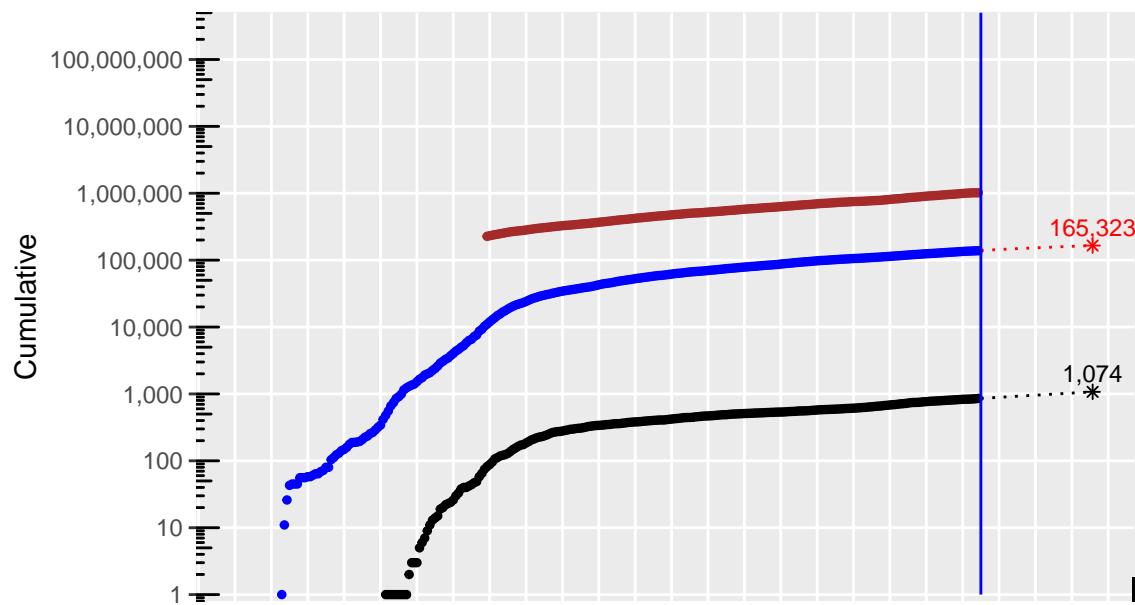


Deaths: 6,495 (14) — Case Mortality: 5.8% — Daily Change: +2.4% Cases, +0.3% Deaths (over 16 days)

Saudi Arabia projection as of 2020-11-19

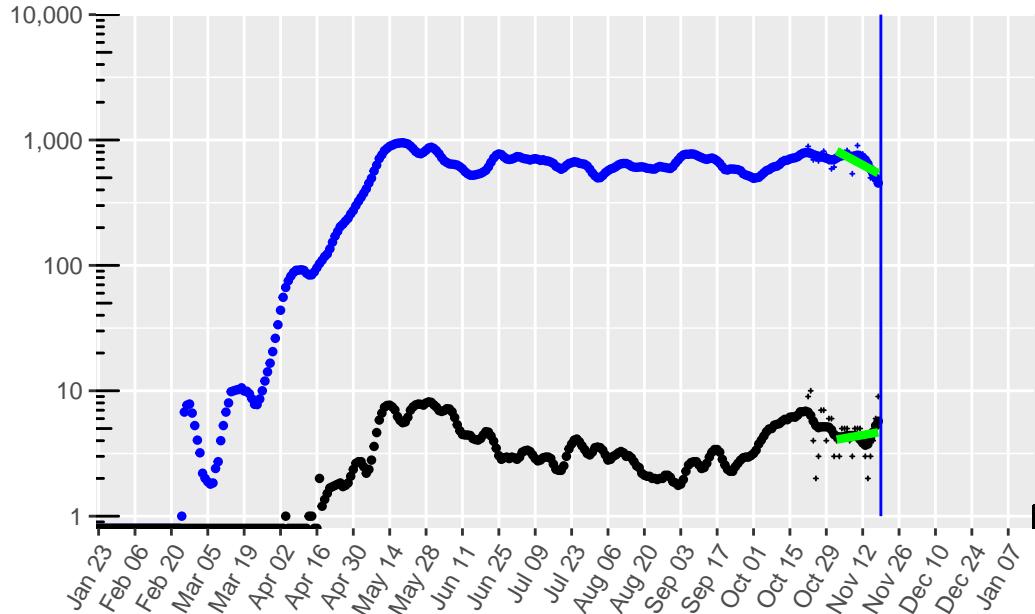


Kuwait projection as of 2020-11-19



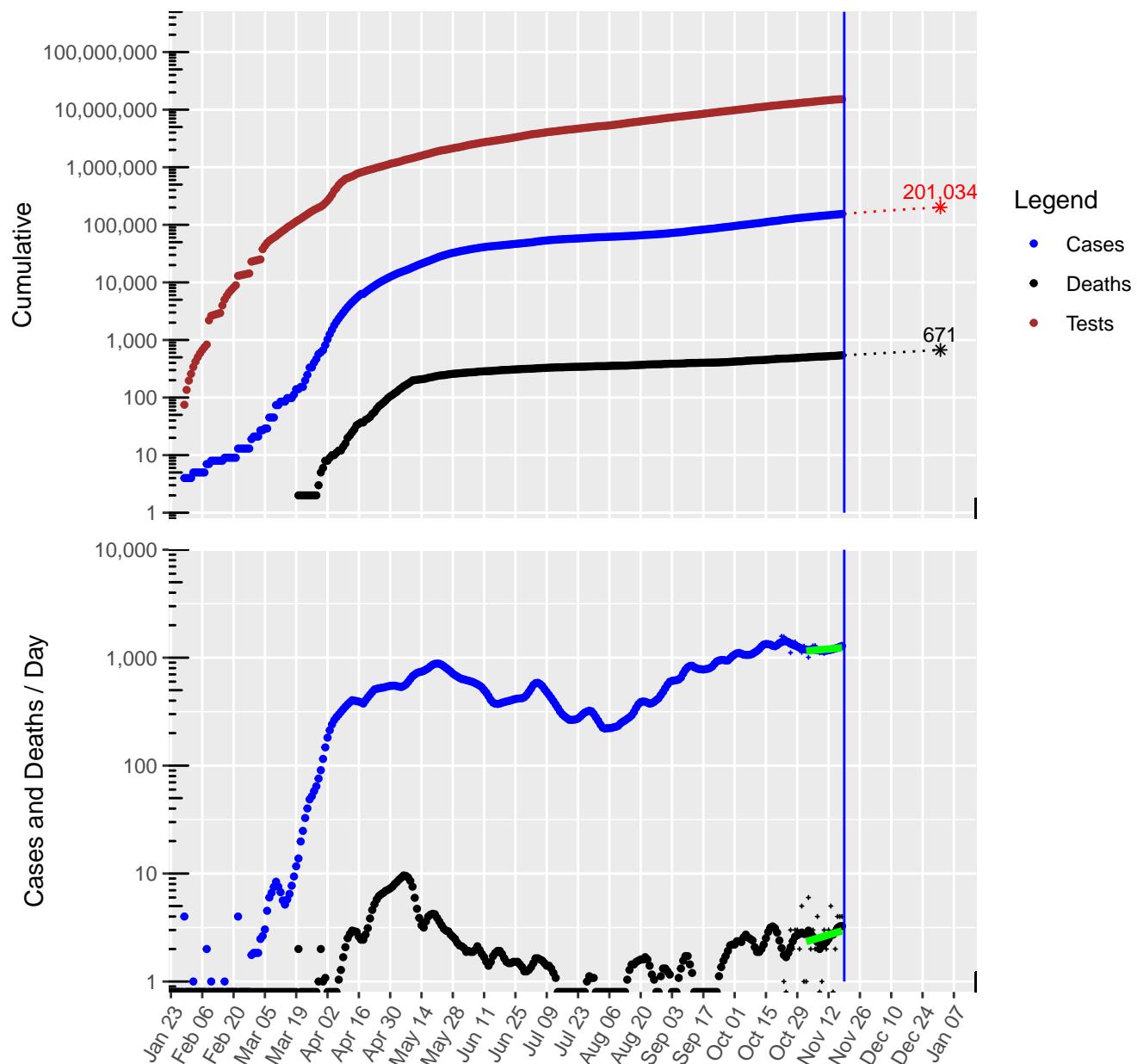
Legend

- Cases
- Deaths
- Tests

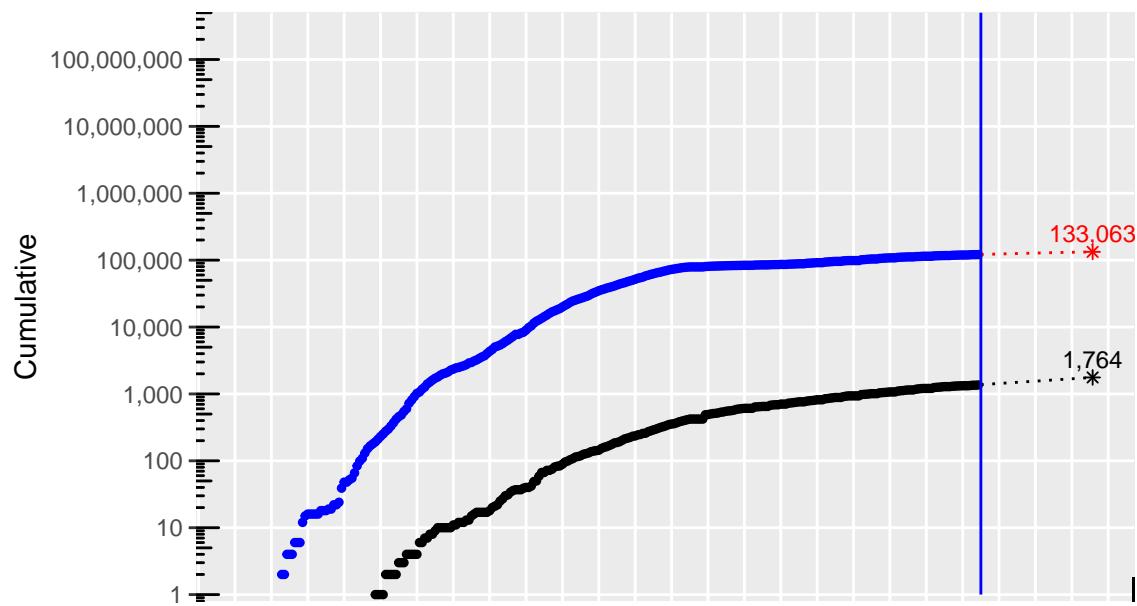


Deaths: 857 (9) — Case Mortality: 0.6% — Daily Change: -2.7% Cases, +0.9% Deaths (over 16 days)

United Arab Emirates projection as of 2020-11-19

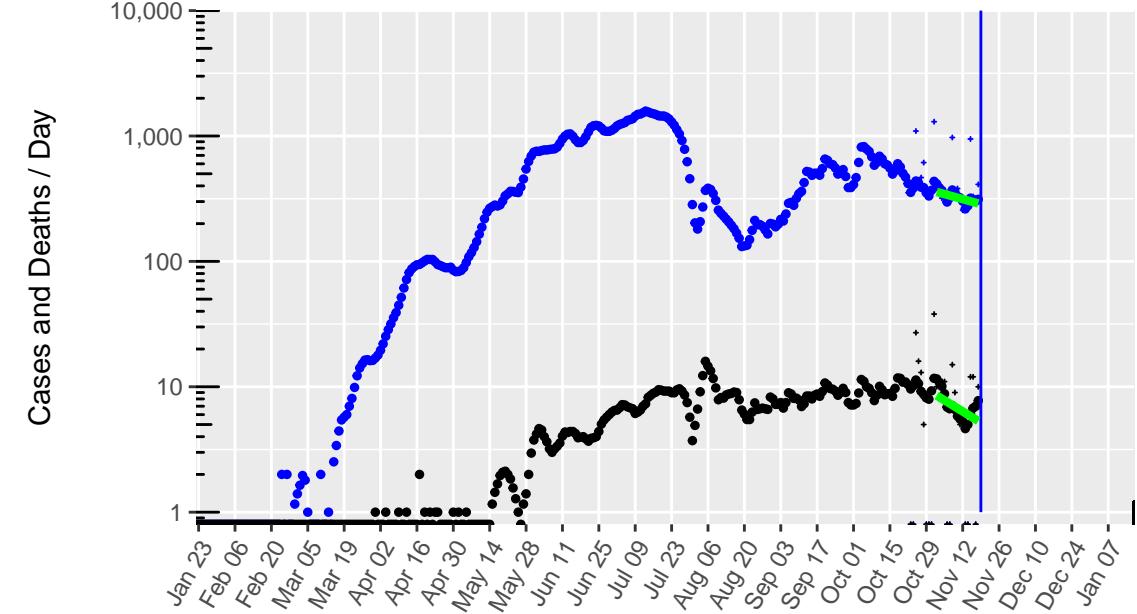


Oman projection as of 2020-11-19



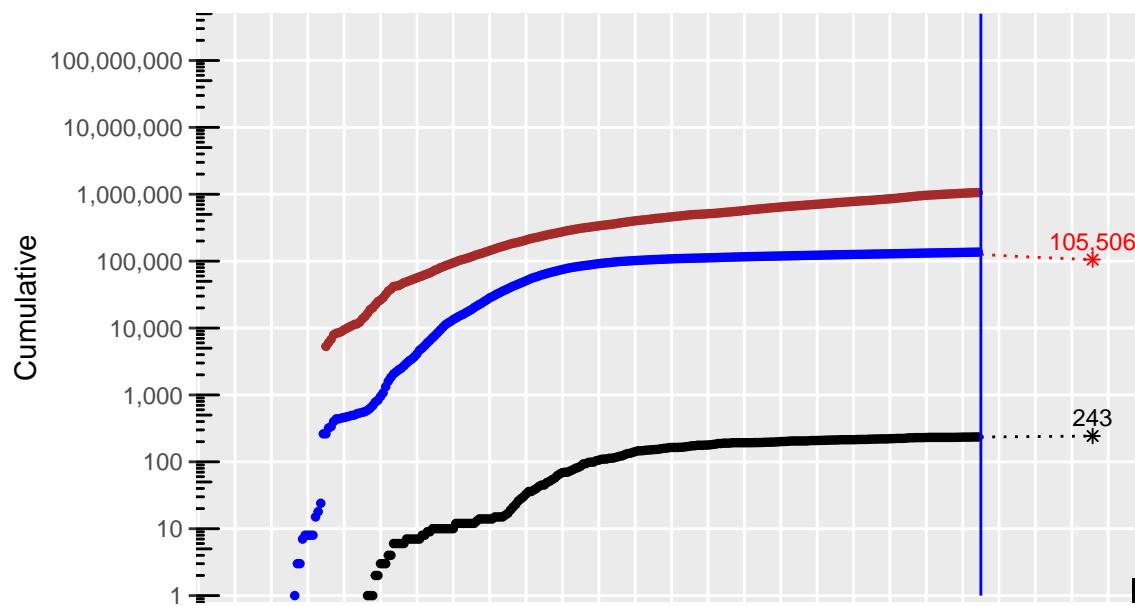
Legend

- Cases
- Deaths



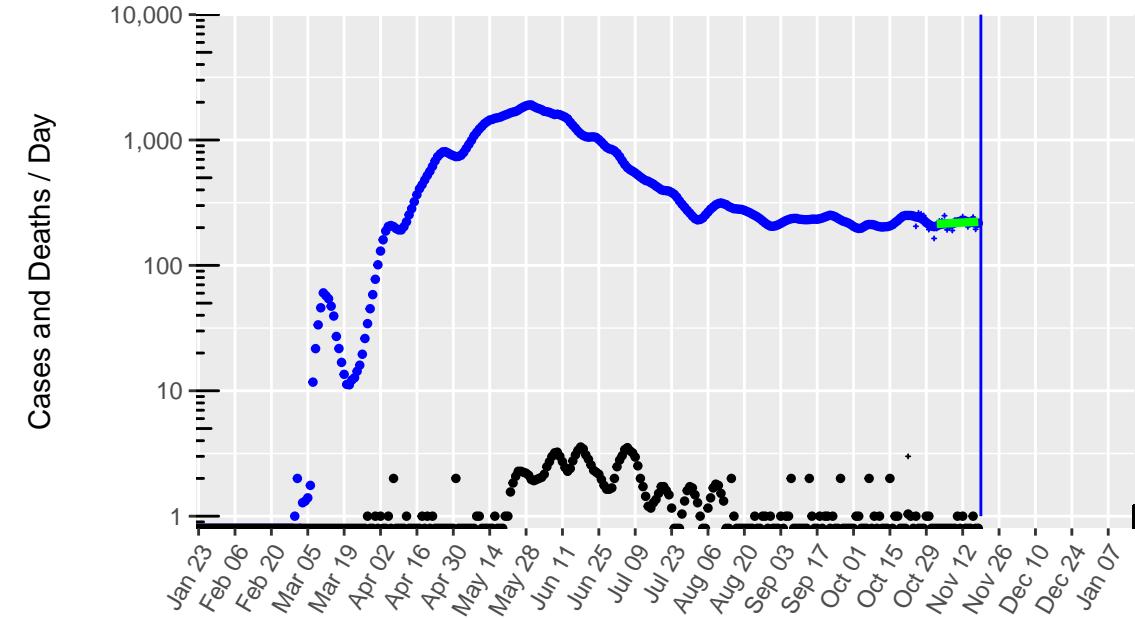
Deaths: 1,360 (10) — Case Mortality: 1.1% — Daily Change: -1.4% Cases, -3.1% Deaths (over 16 days)

Qatar projection as of 2020-11-19



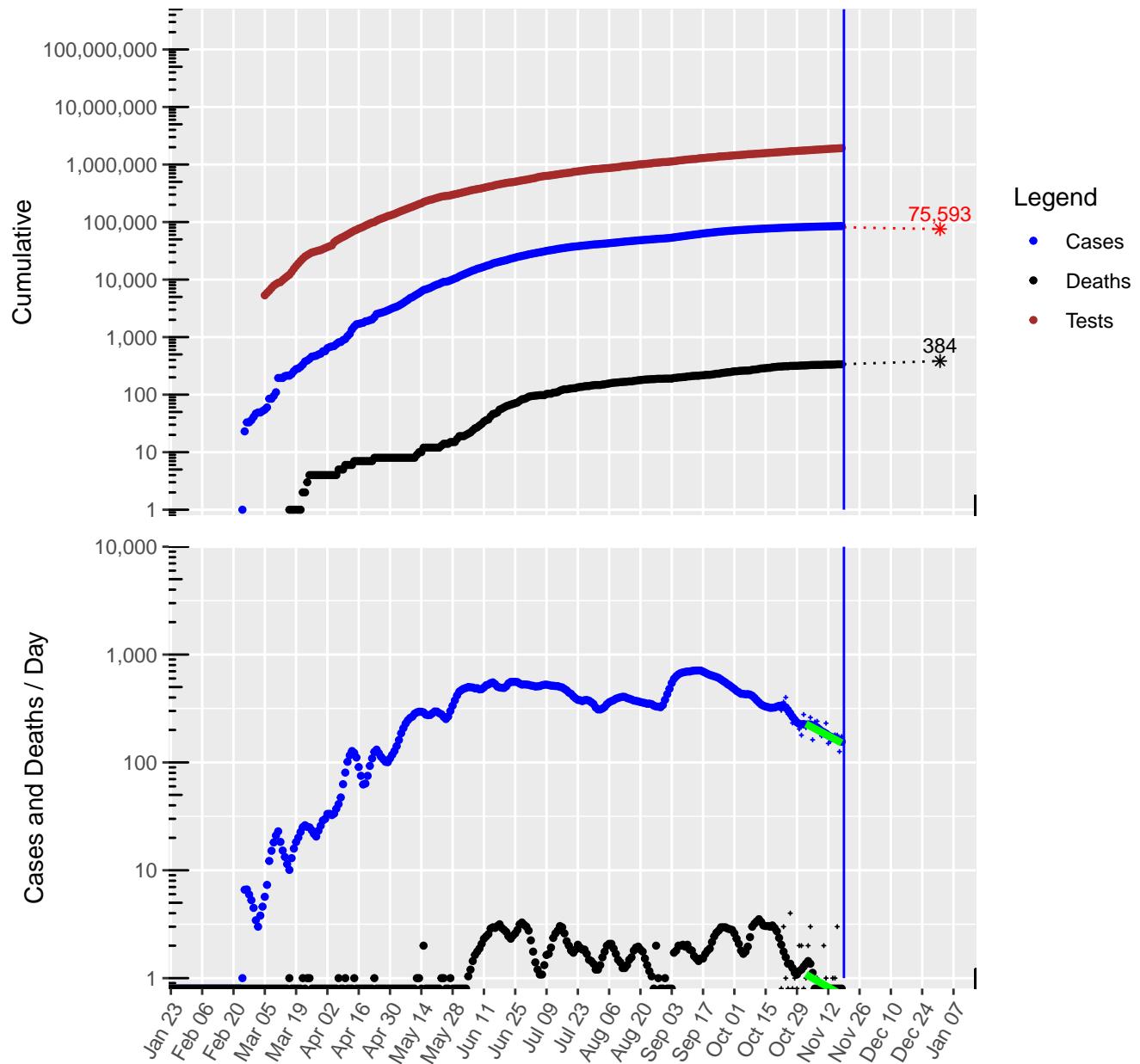
Legend

- Cases
- Deaths
- Tests

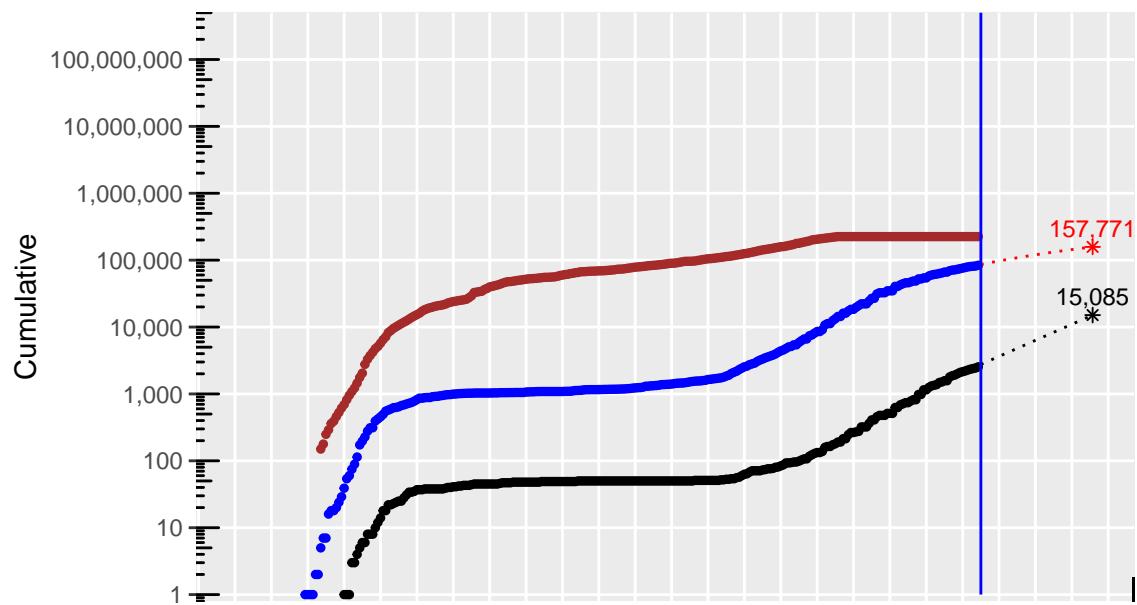


Deaths: 235 (0) — Case Mortality: 0.2% — Daily Change: +0.3% Cases, +10.2% Deaths (over 16 days)

Bahrain projection as of 2020-11-19

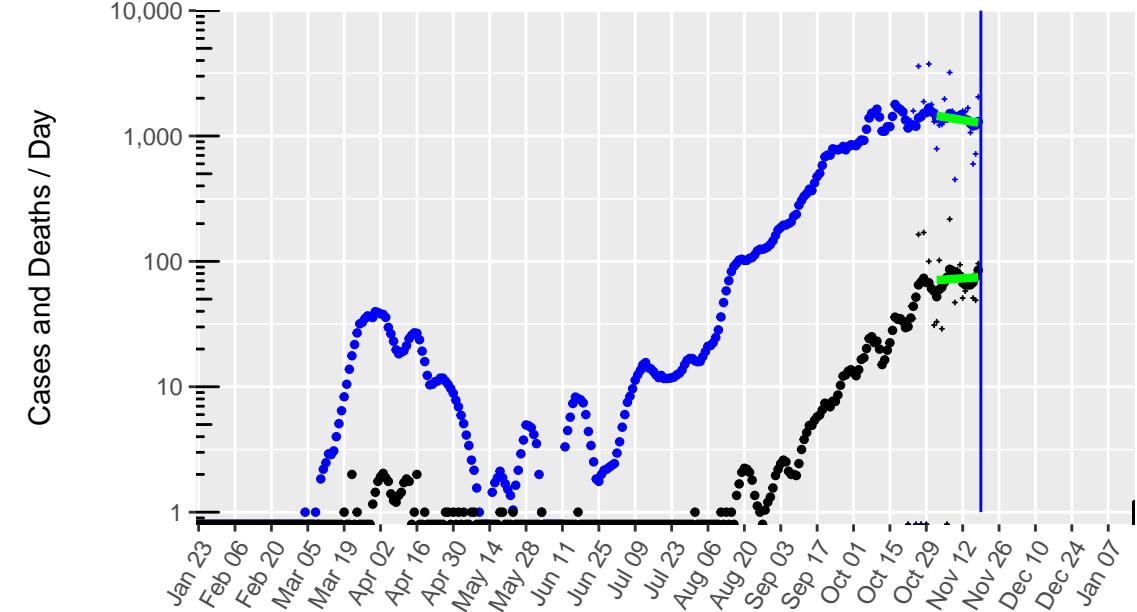


Tunisia projection as of 2020-11-19



Legend

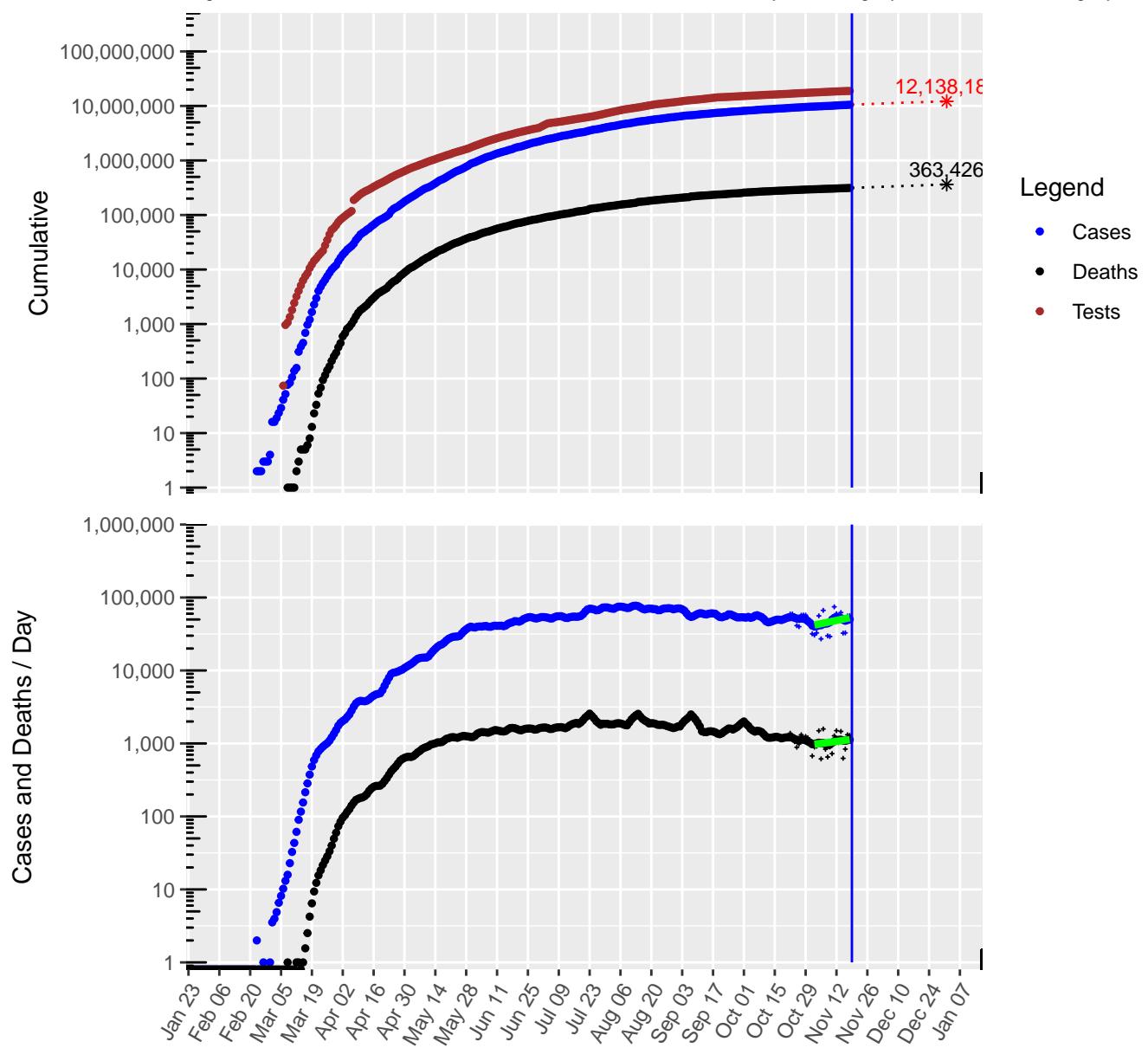
- Cases
- Deaths
- Tests



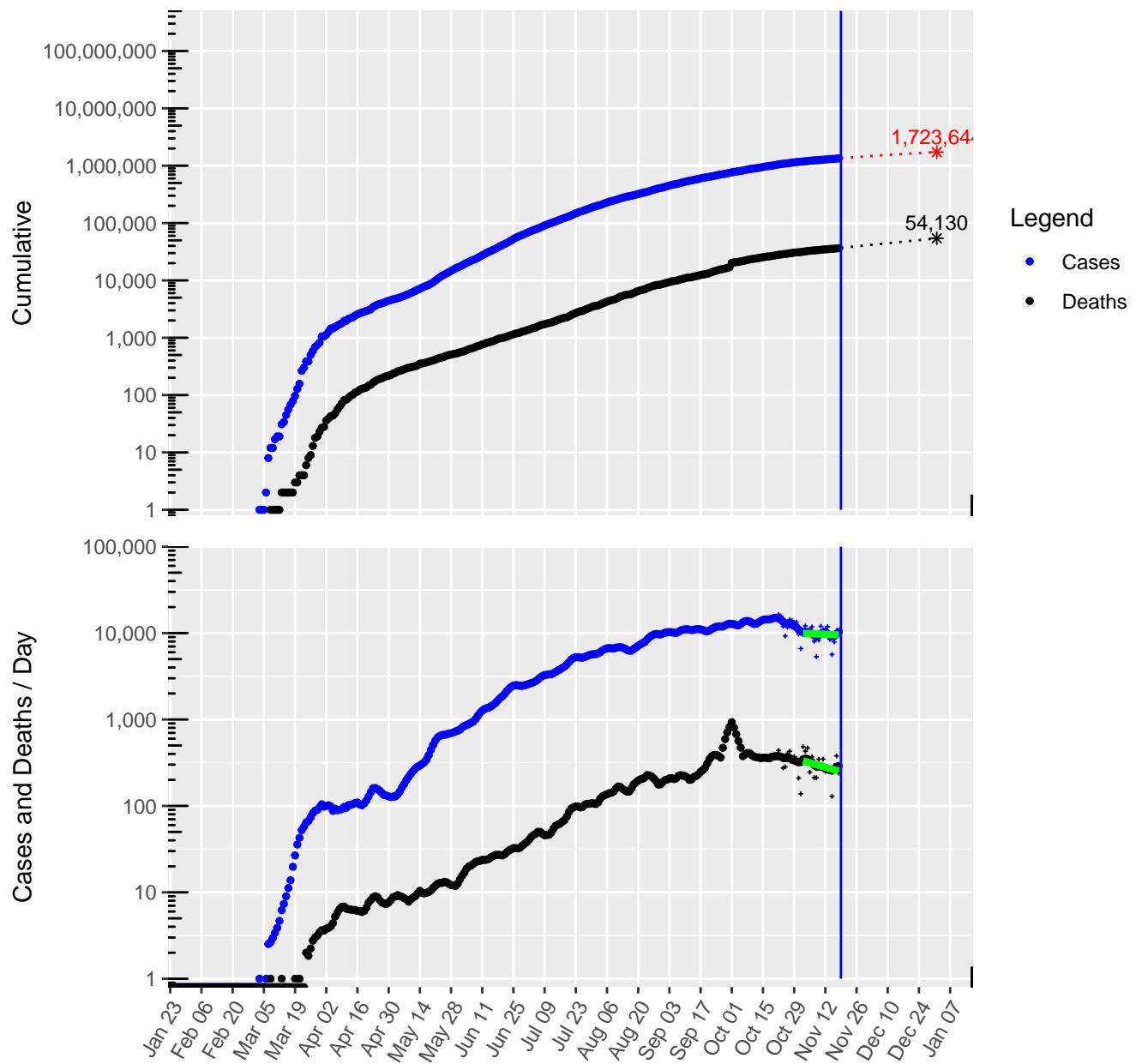
Deaths: 2,541 (96) — Case Mortality: 3.0% — Daily Change: -0.8% Cases, +0.3% Deaths (over 16 days)

South America projection as of 2020-11-19

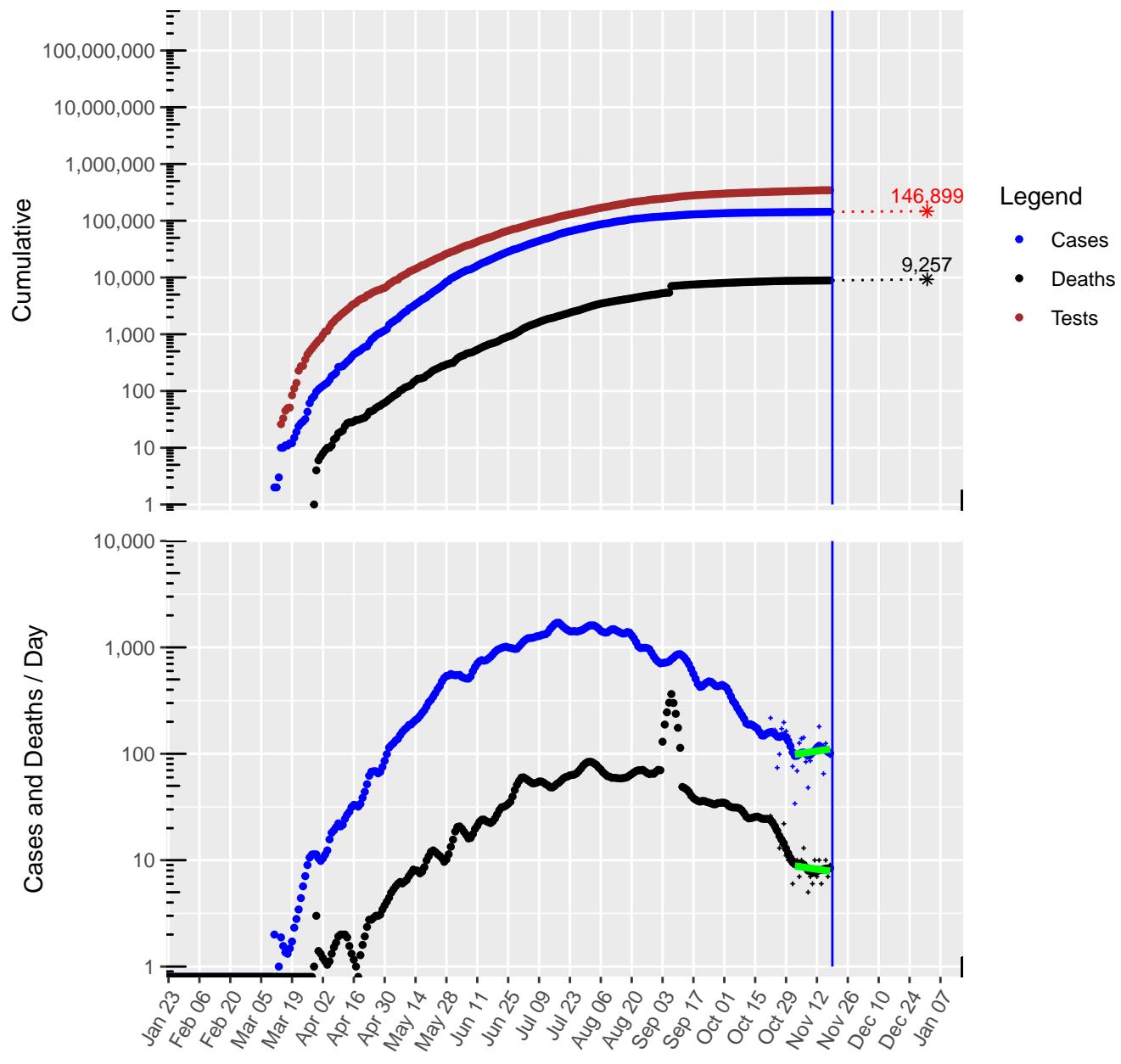
Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela



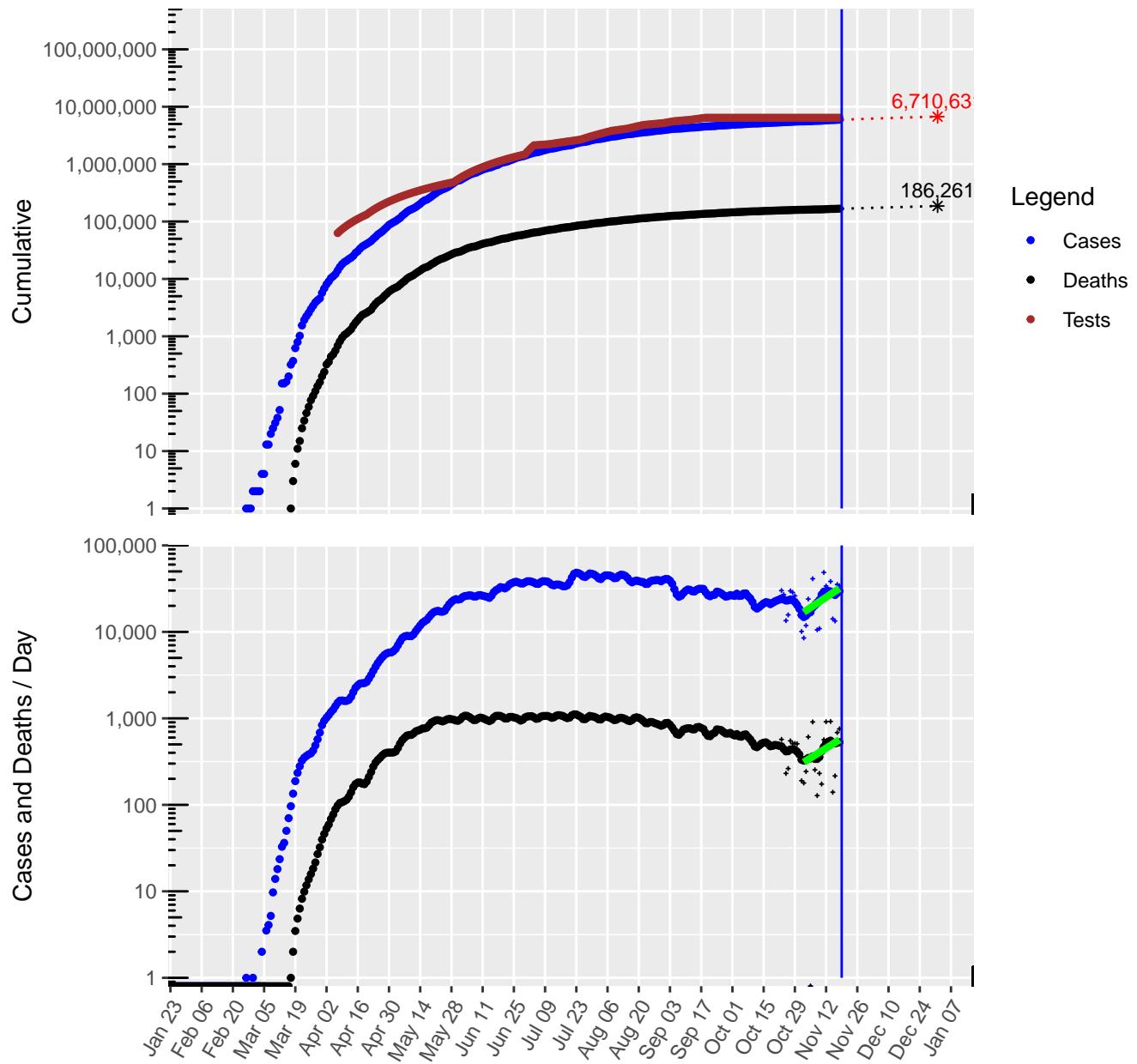
Argentina projection as of 2020-11-19



Bolivia projection as of 2020-11-19

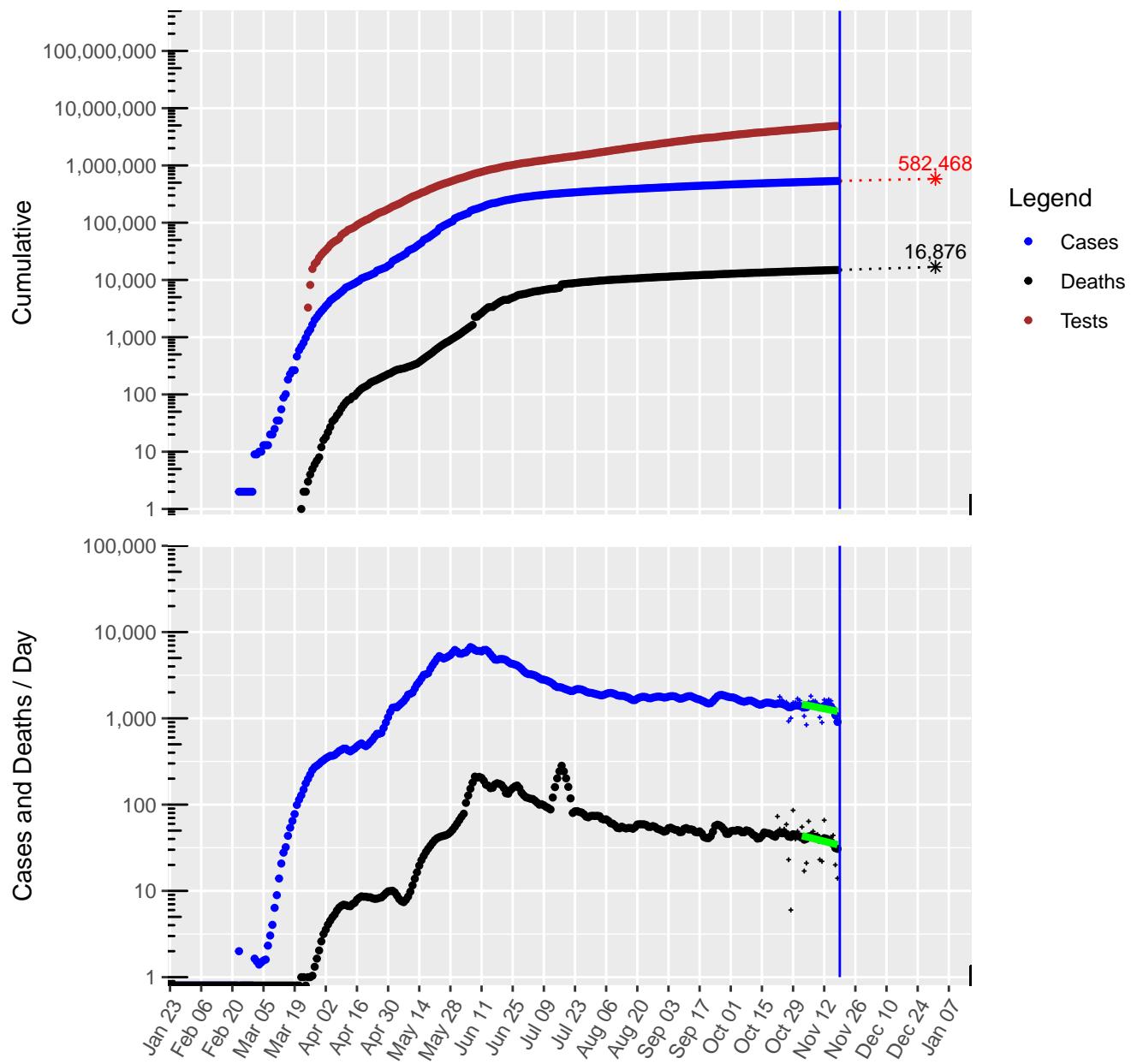


Brazil projection as of 2020-11-19



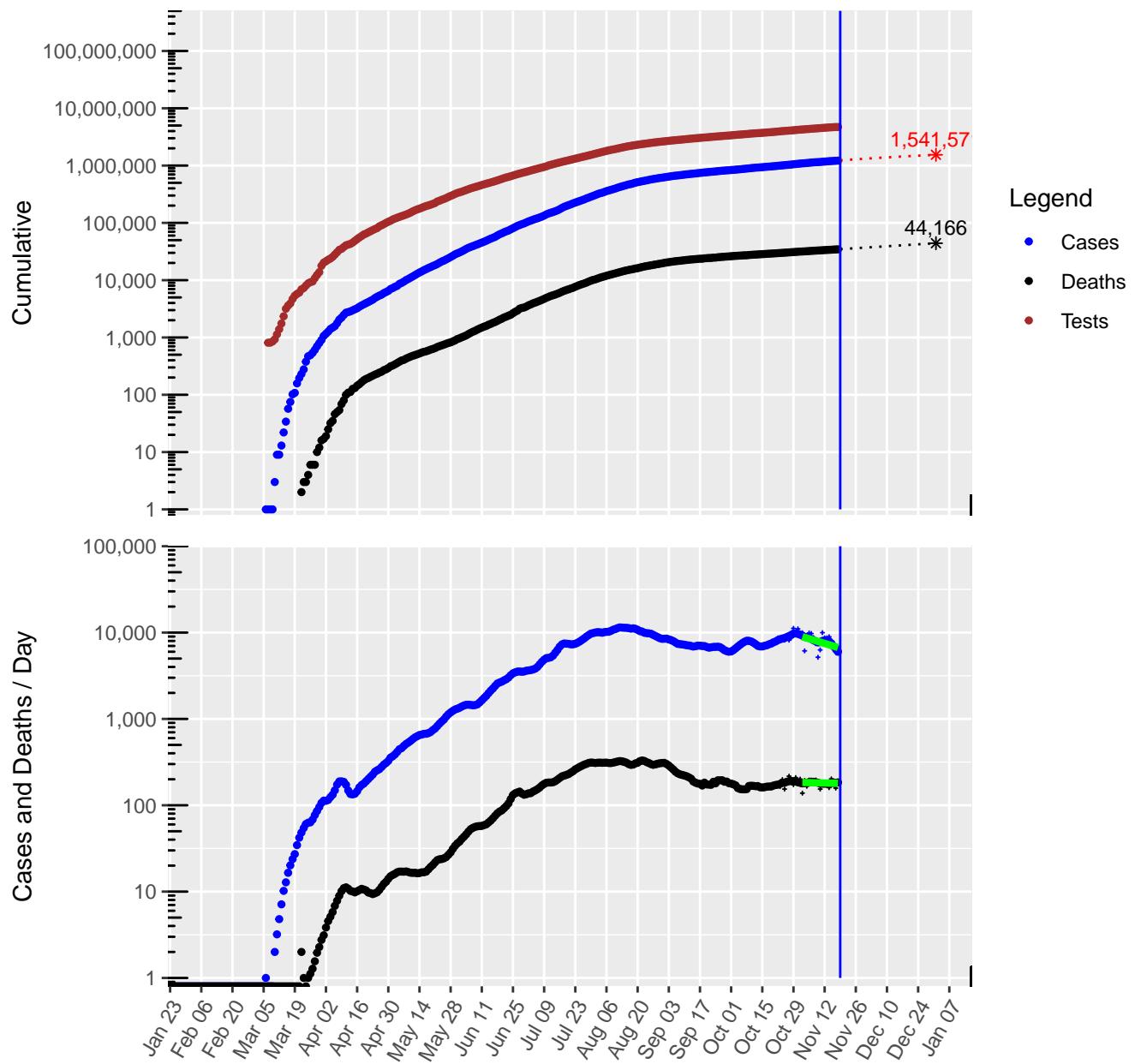
as: 167,455 (756) --- Case Mortality: 2.8% --- Daily Change: +4.1% Cases, +3.9% Deaths (over 16 days)

Chile projection as of 2020-11-19

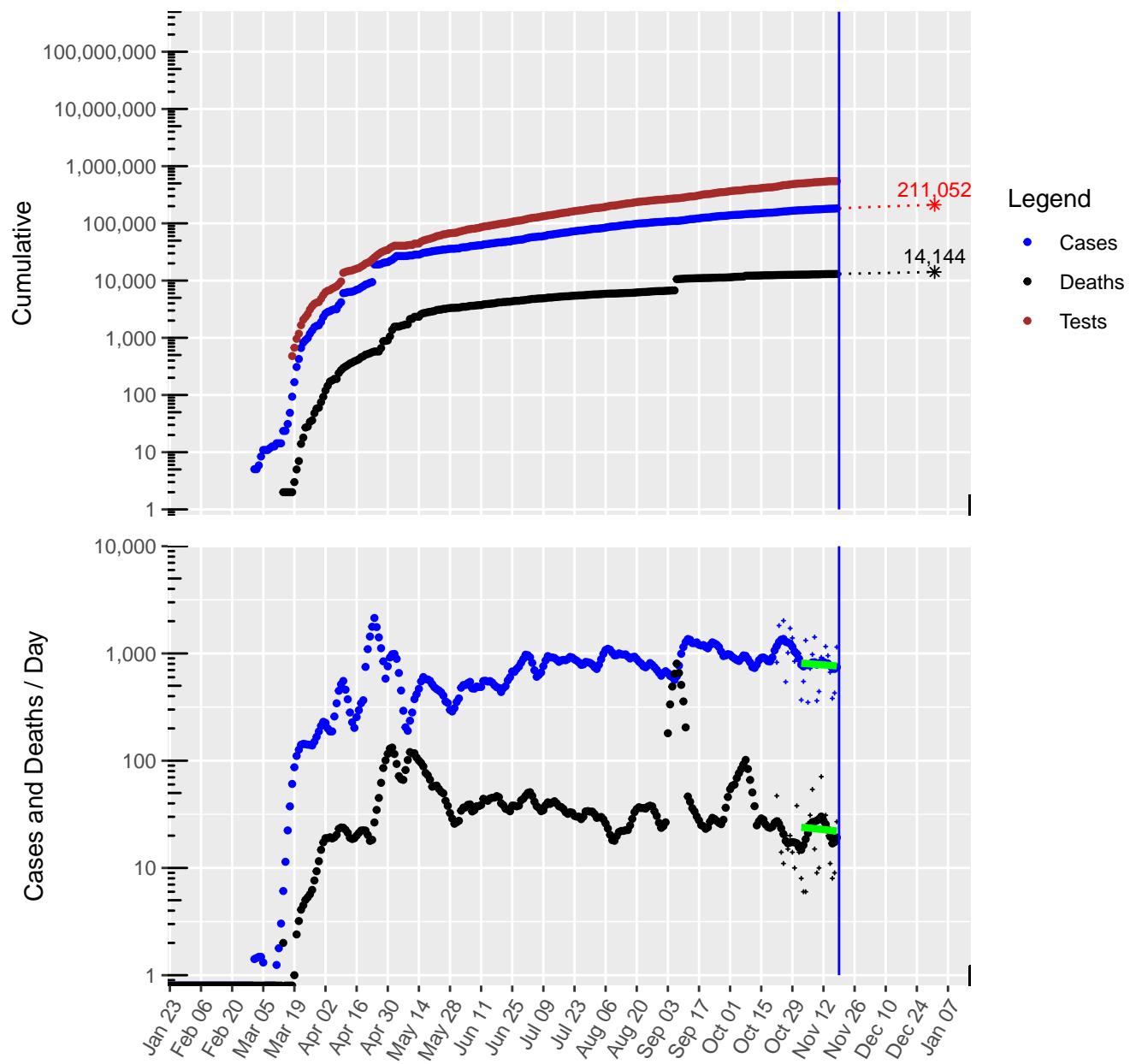


Deaths: 14,897 (14) — Case Mortality: 2.8% — Daily Change: -1.3% Cases, -1.6% Deaths (over 16 days)

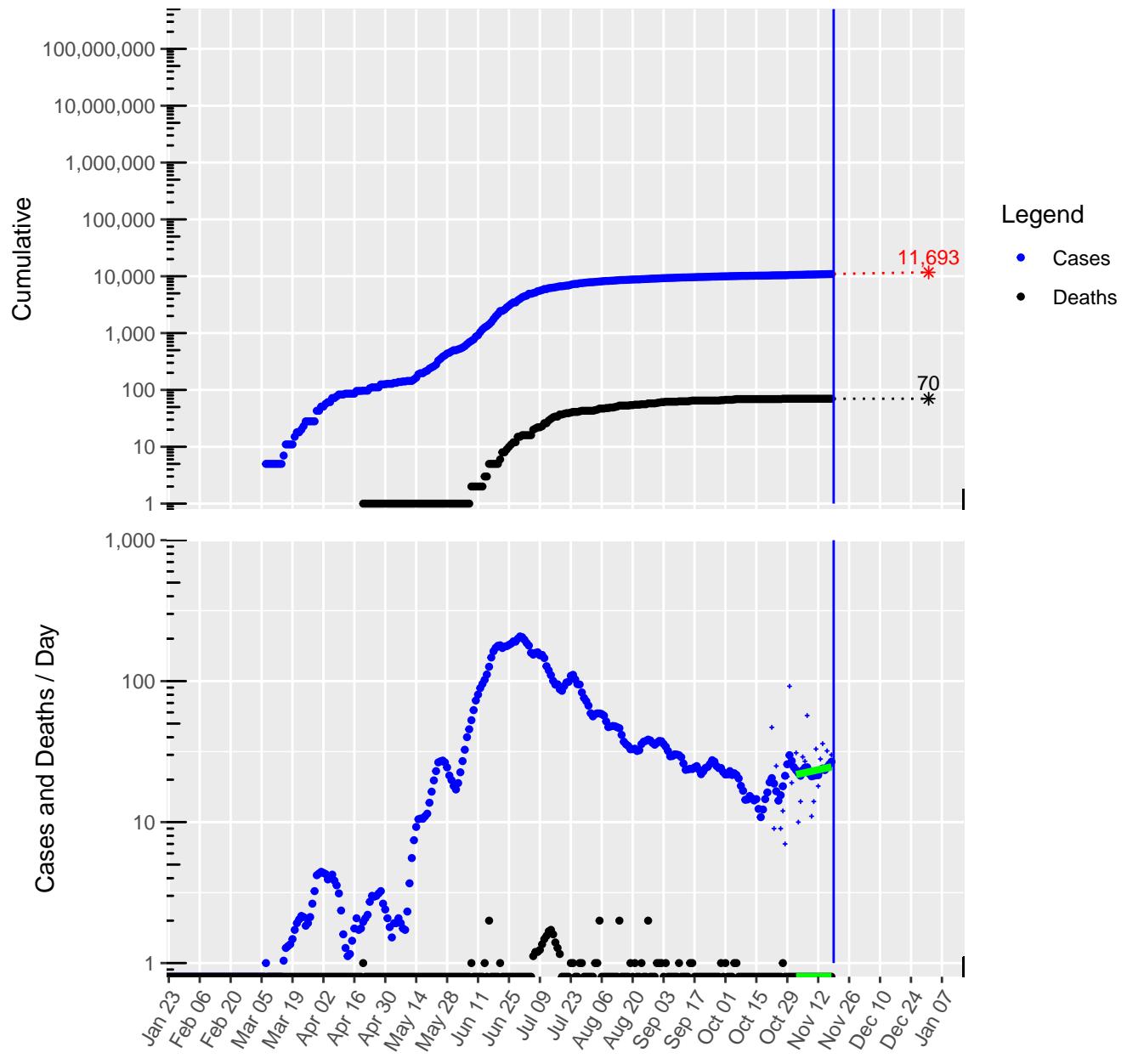
Colombia projection as of 2020-11-19



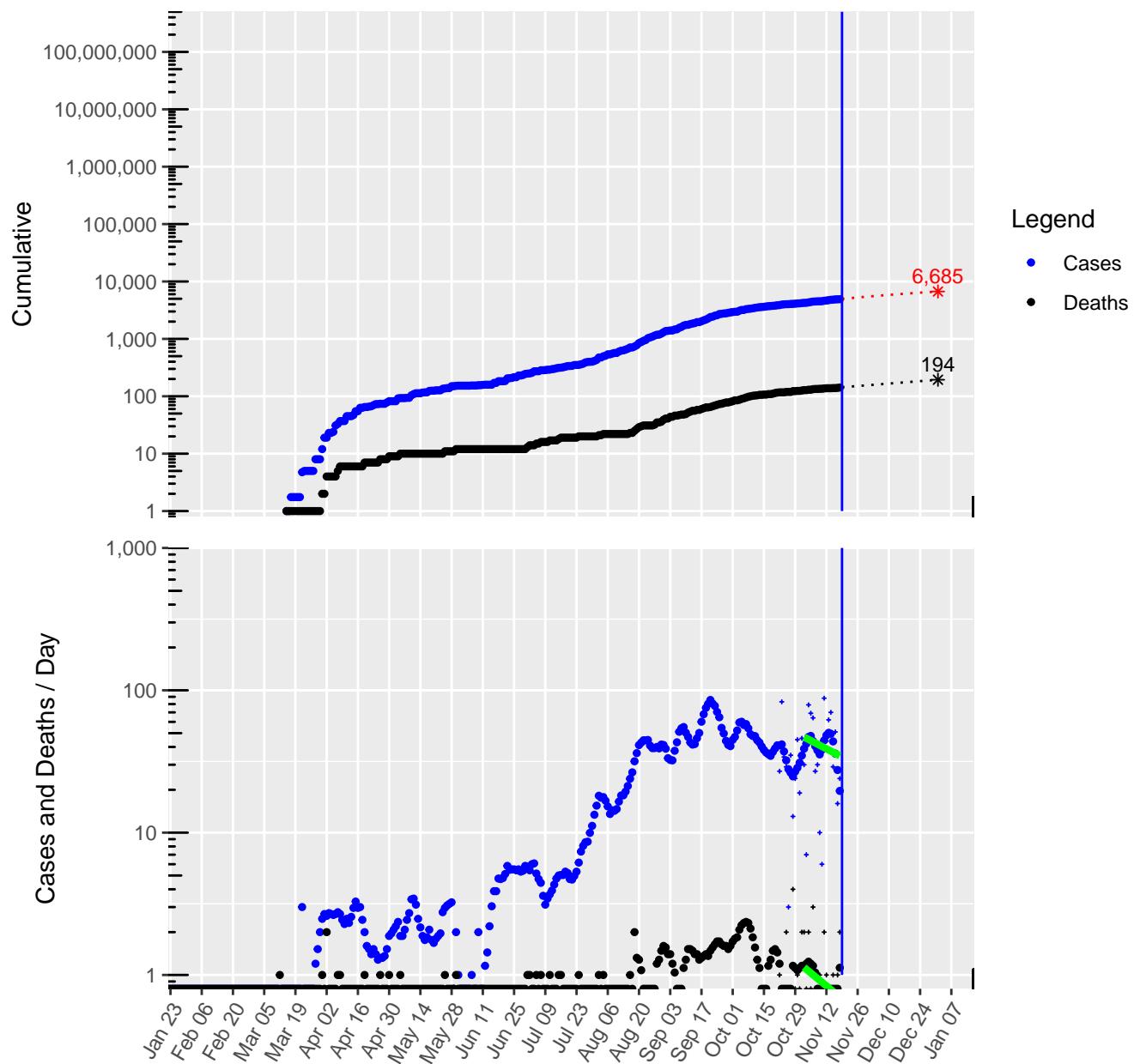
Ecuador projection as of 2020-11-19



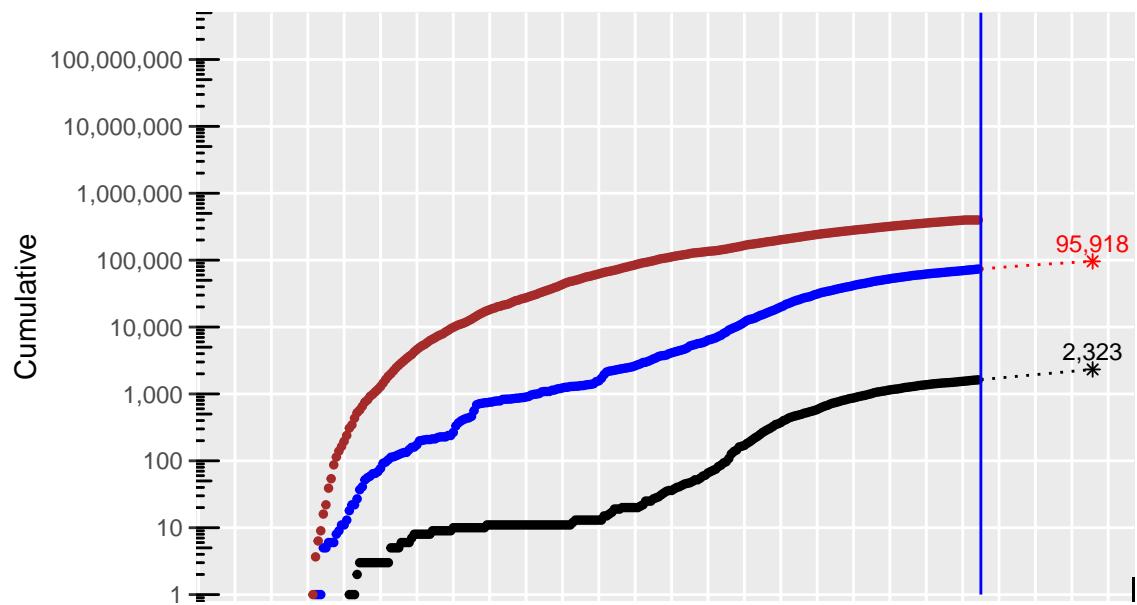
French Guiana projection as of 2020-11-19



Guyana projection as of 2020-11-19

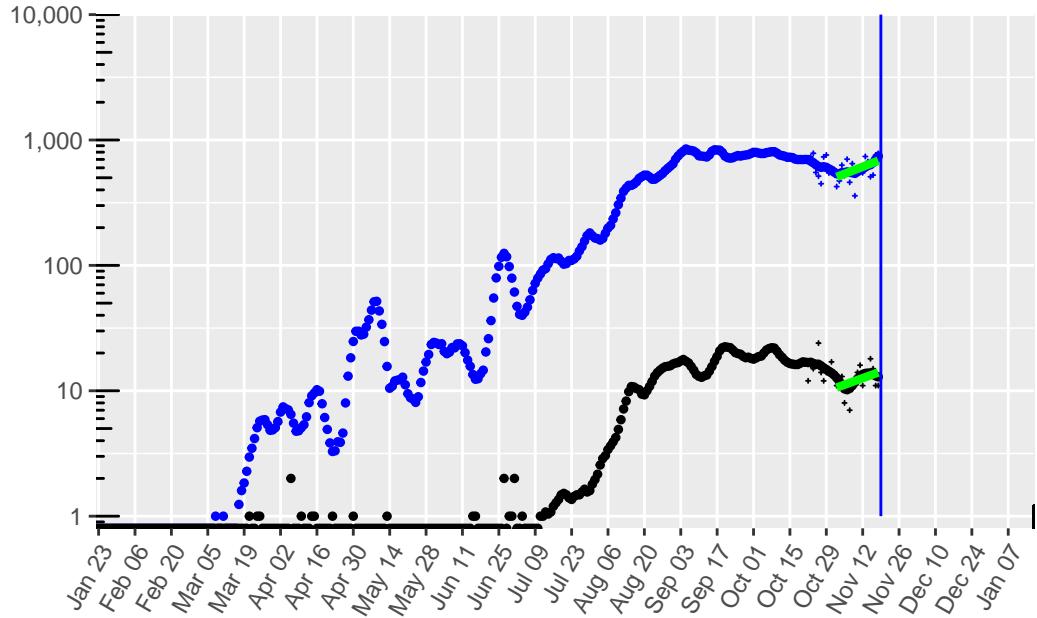


Paraguay projection as of 2020-11-19



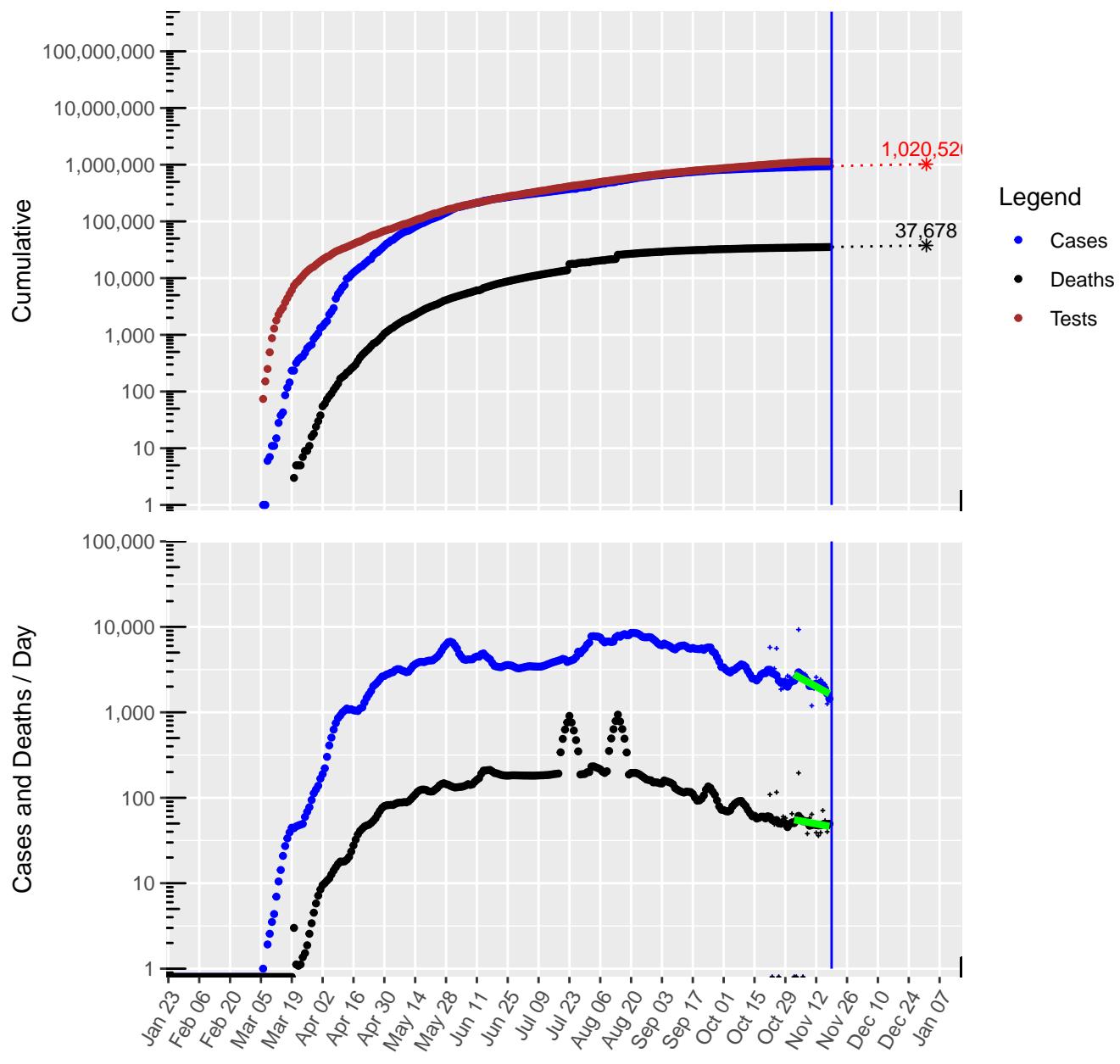
Legend

- Cases
- Deaths
- Tests

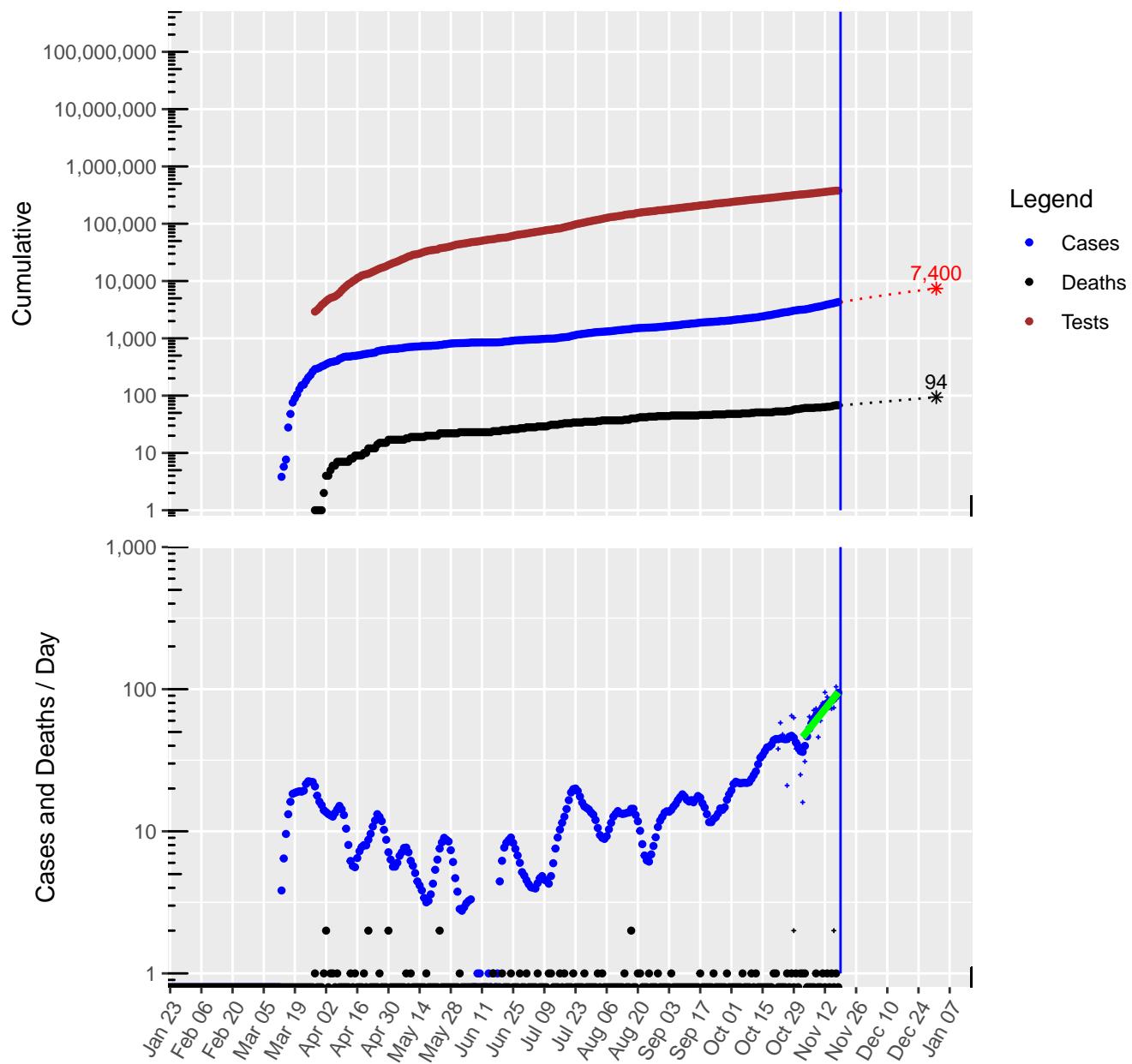


Deaths: 1,624 (11) — Case Mortality: 2.2% — Daily Change: +2.0% Cases, +1.8% Deaths (over 16 days)

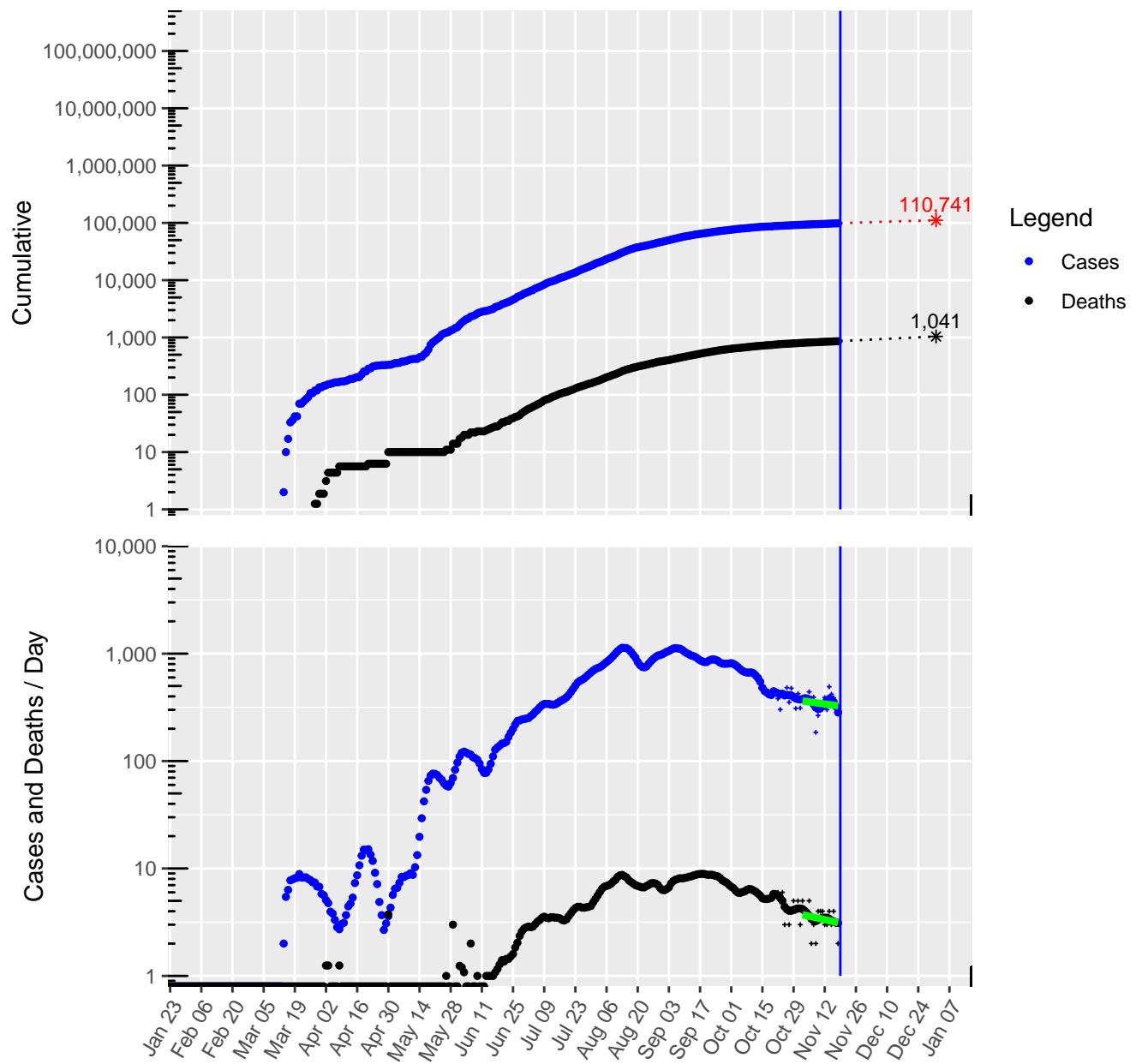
Peru projection as of 2020-11-19



Uruguay projection as of 2020-11-19



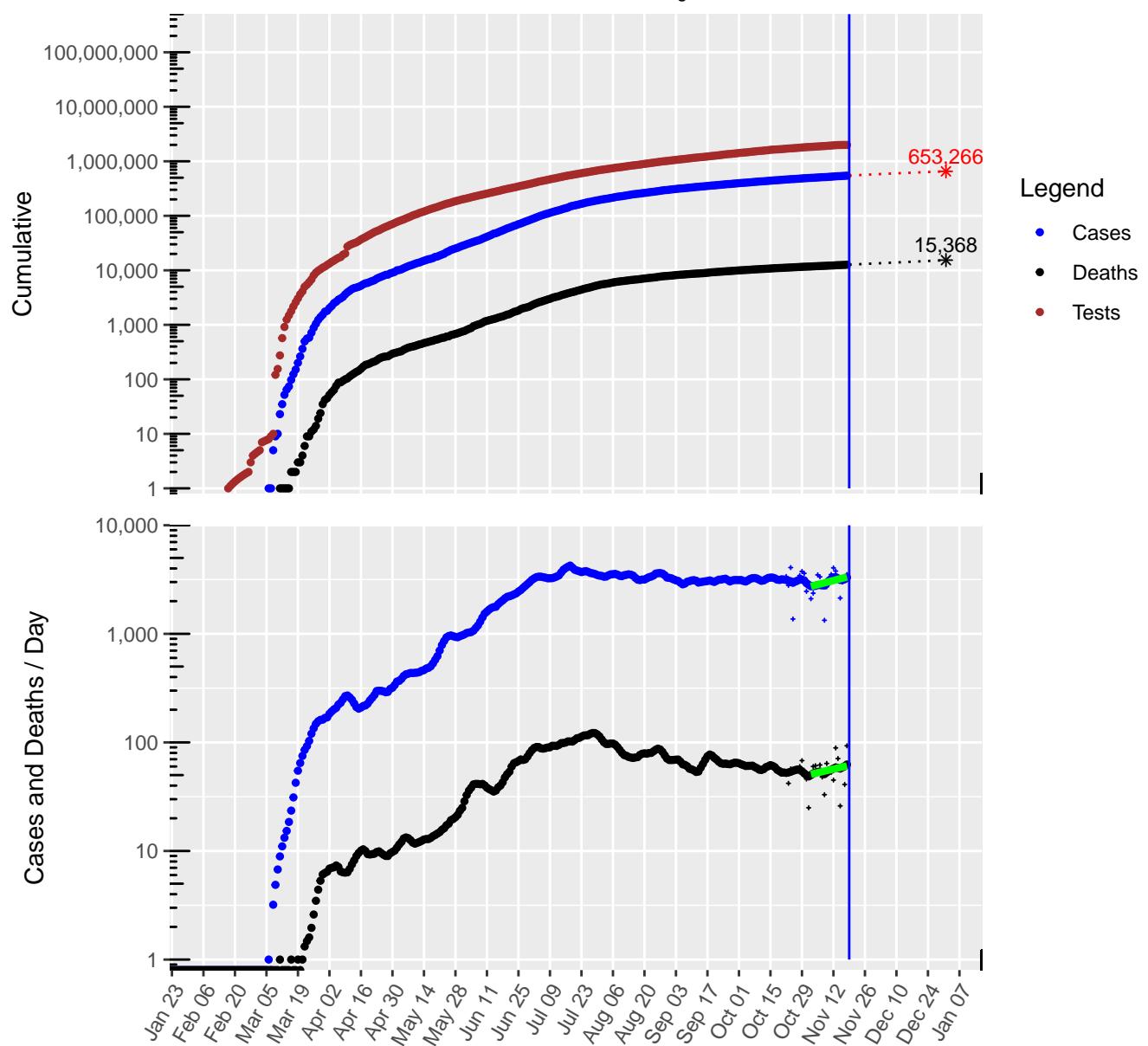
Venezuela projection as of 2020-11-19



Deaths: 860 (2) -- Case Mortality: 0.9% -- Daily Change: -0.7% Cases, -1.1% Deaths (over 16 days)

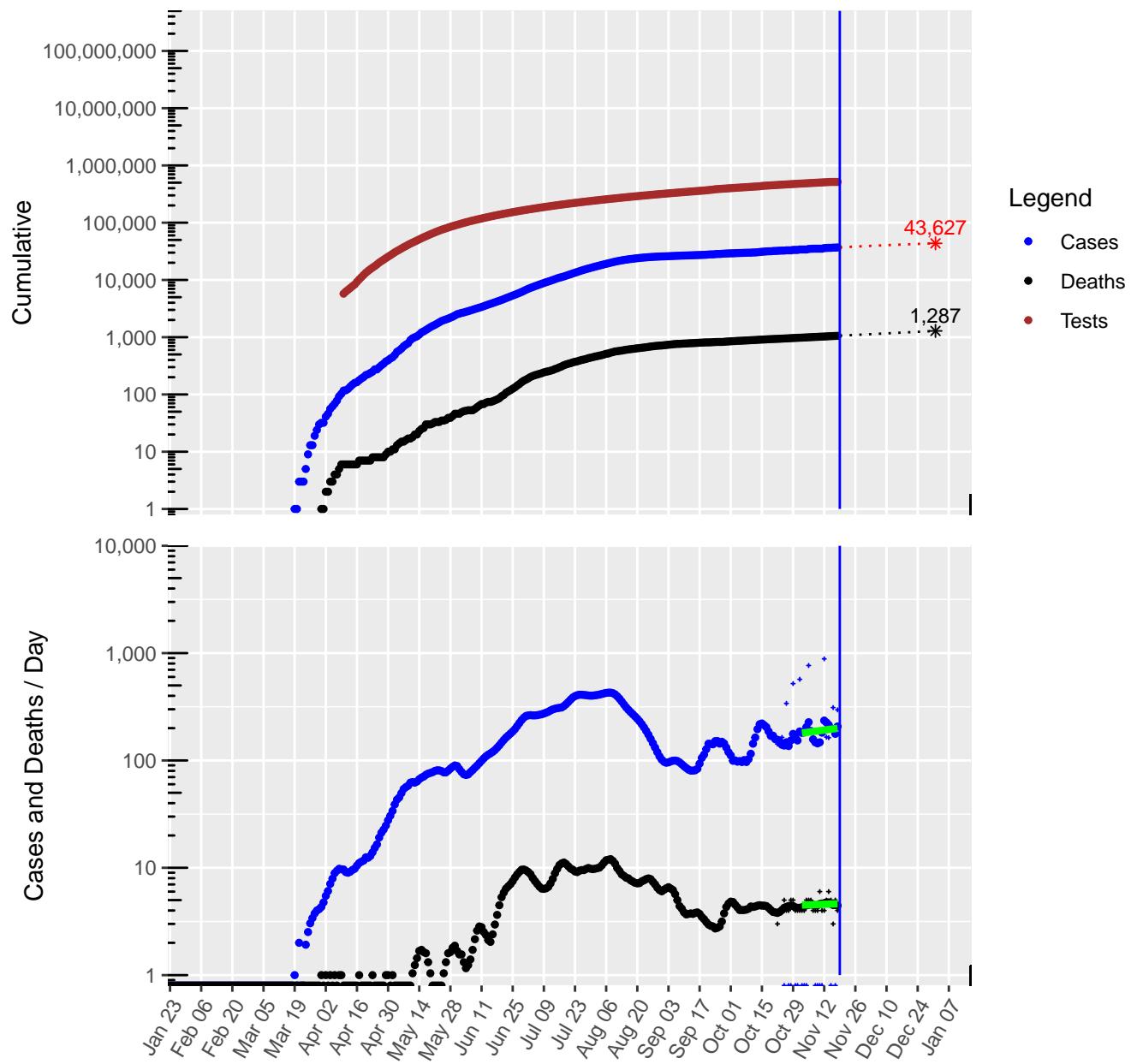
Central America projection as of 2020-11-19

El Salvador, Costa Rica, Belize, Guatemala, Honduras, Nicaragua, and Panama

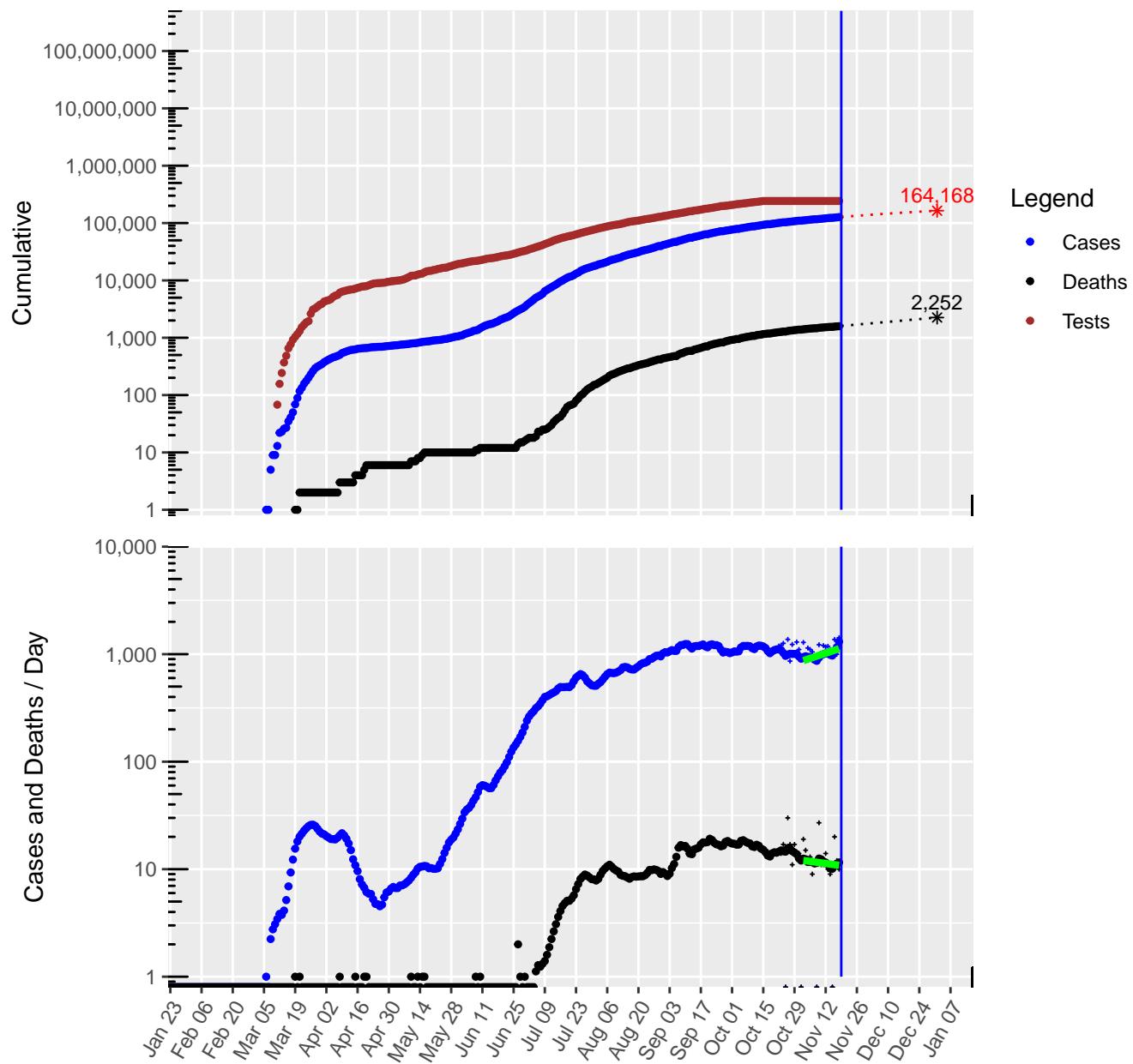


Deaths: 12,657 (93) --- Case Mortality: 2.3% --- Daily Change: +1.3% Cases, +1.2% Deaths (over 16 days)

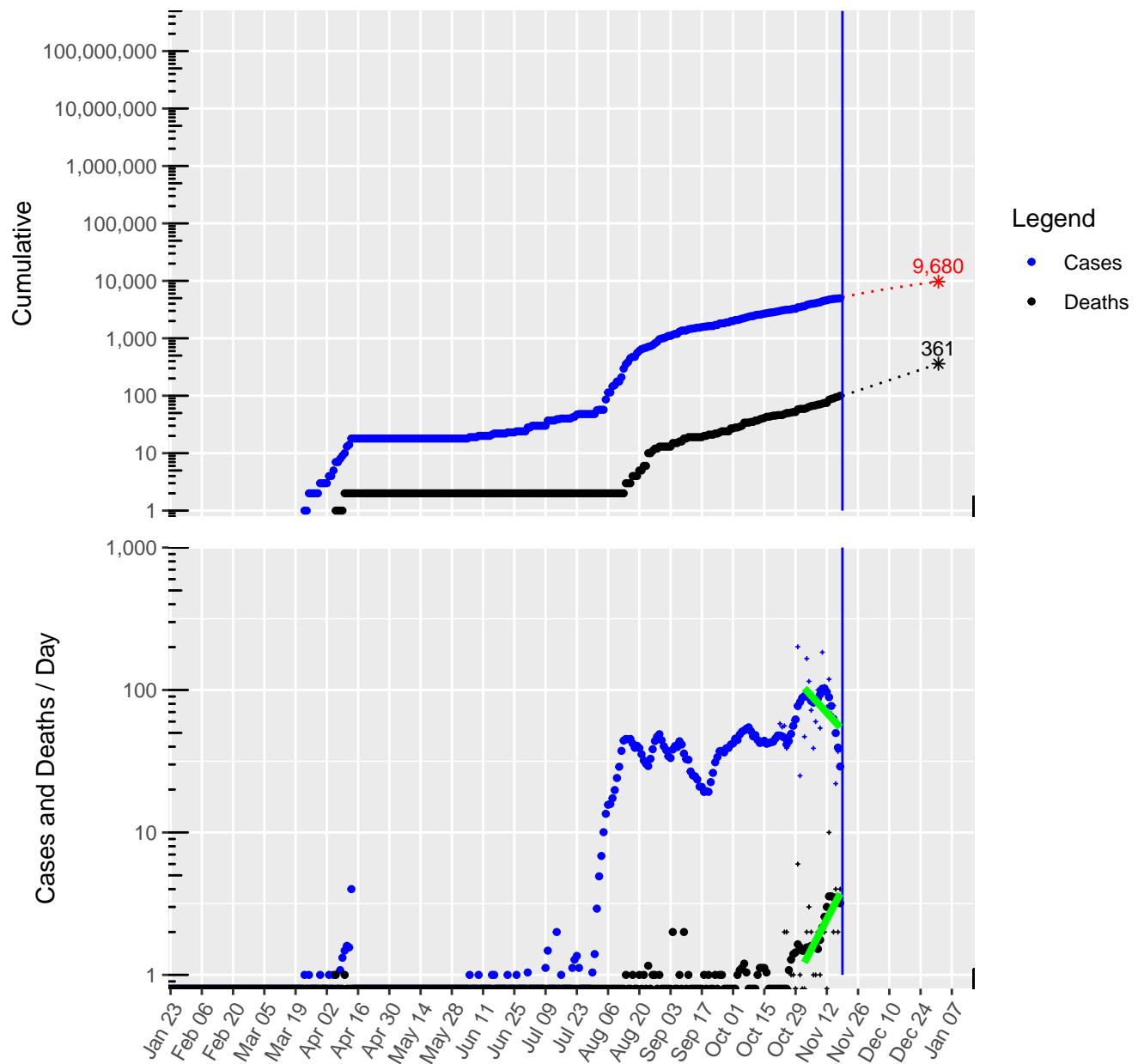
El Salvador projection as of 2020-11-19



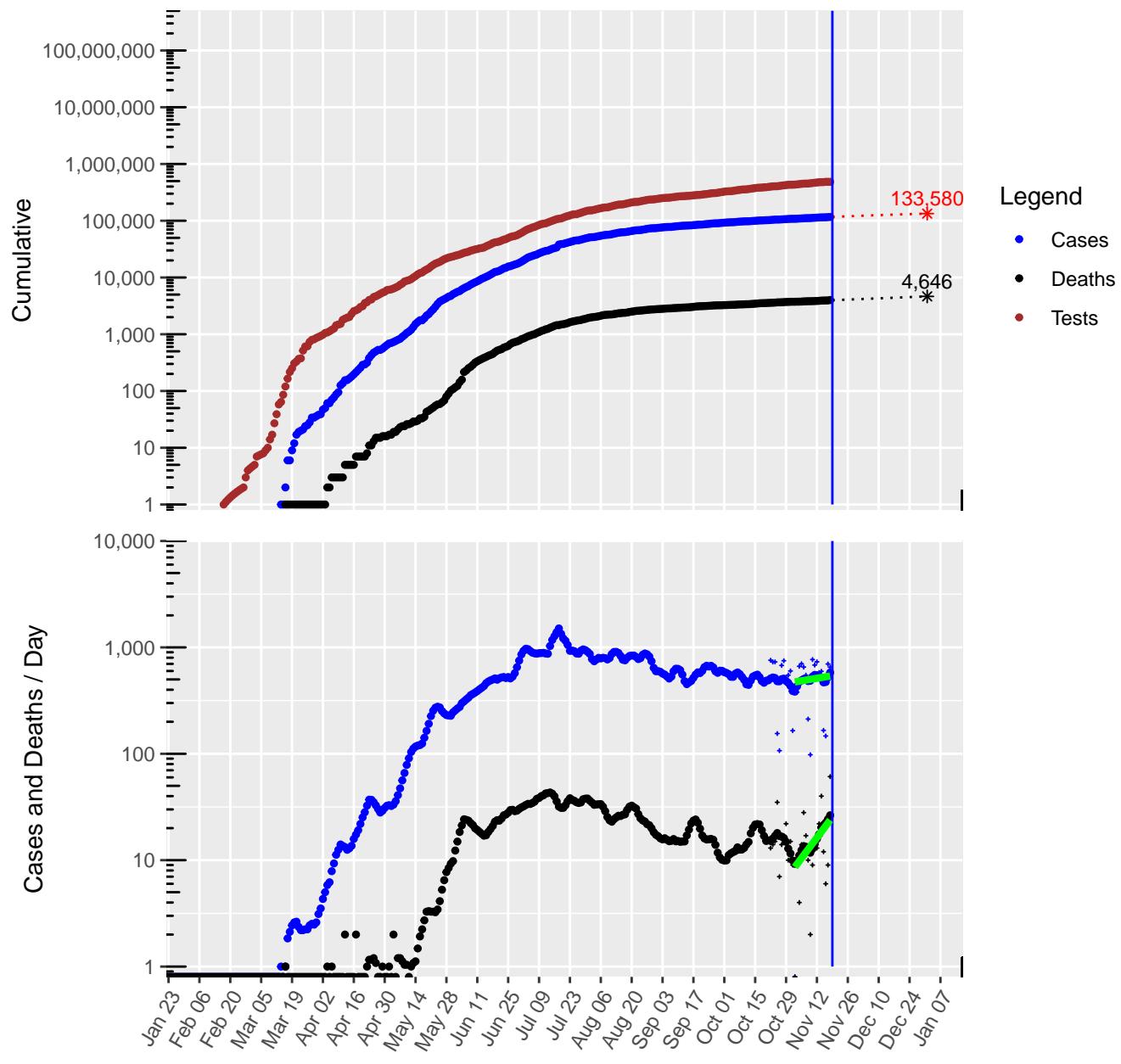
Costa Rica projection as of 2020-11-19



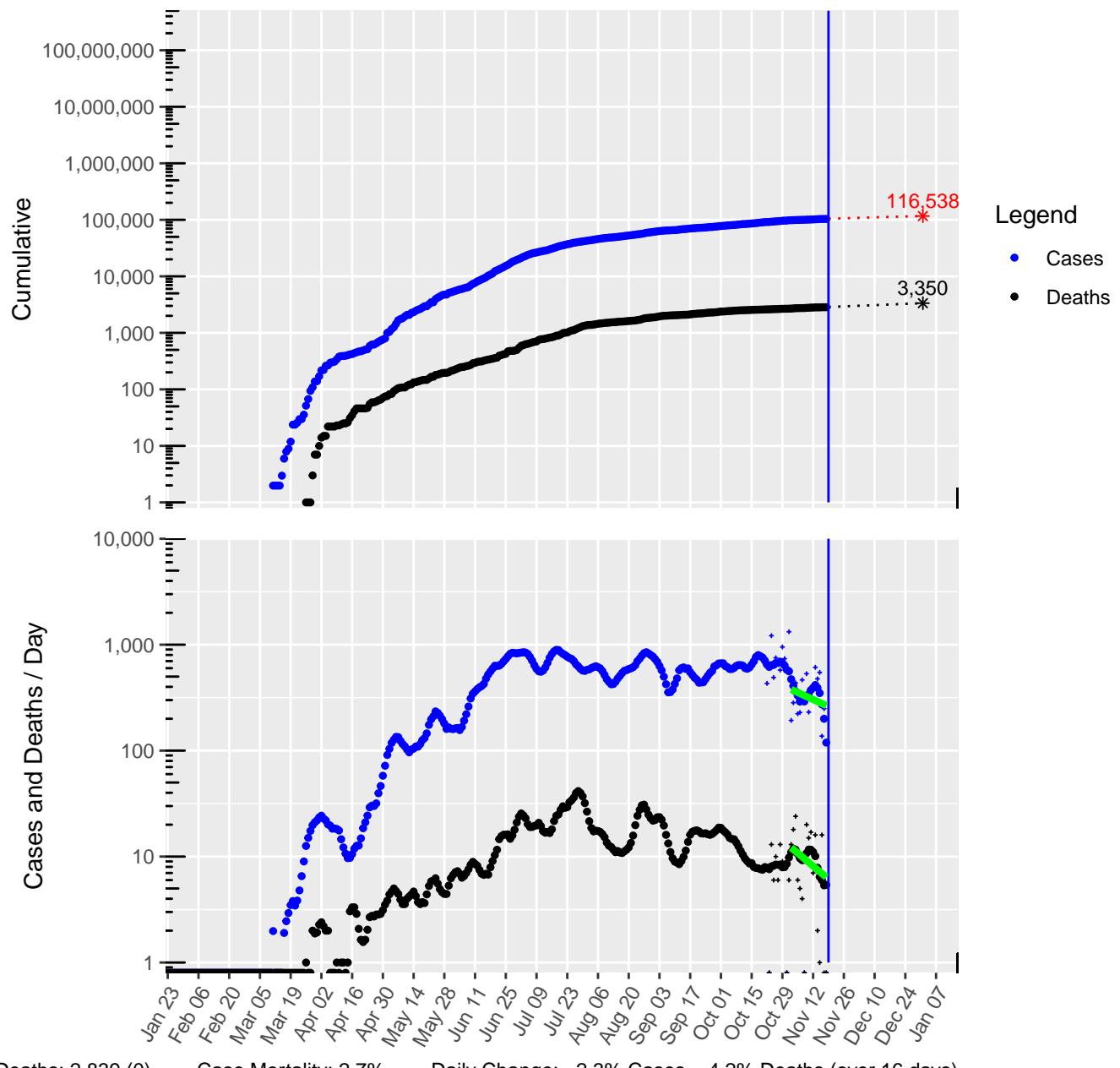
Belize projection as of 2020-11-19



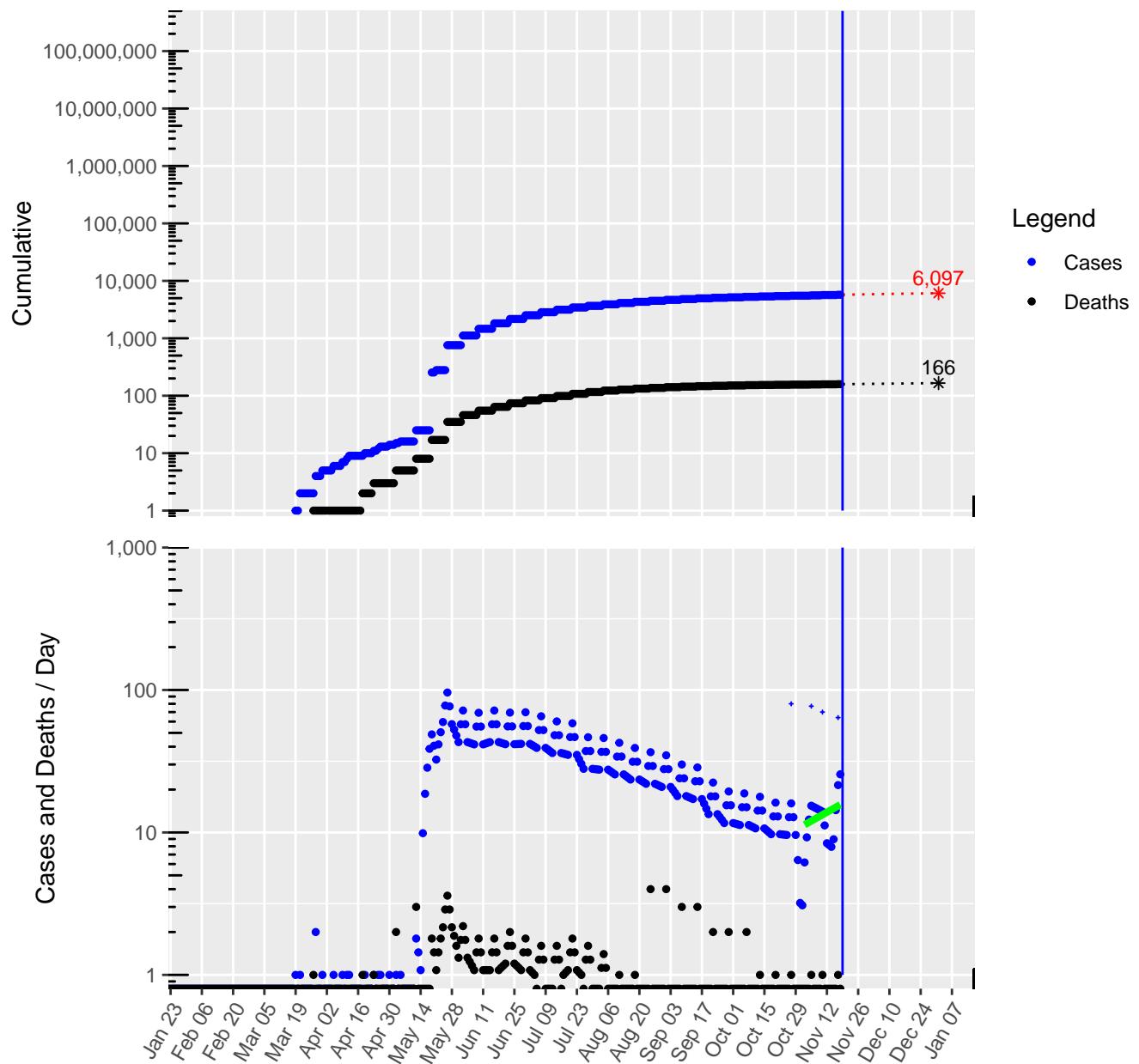
Guatemala projection as of 2020-11-19



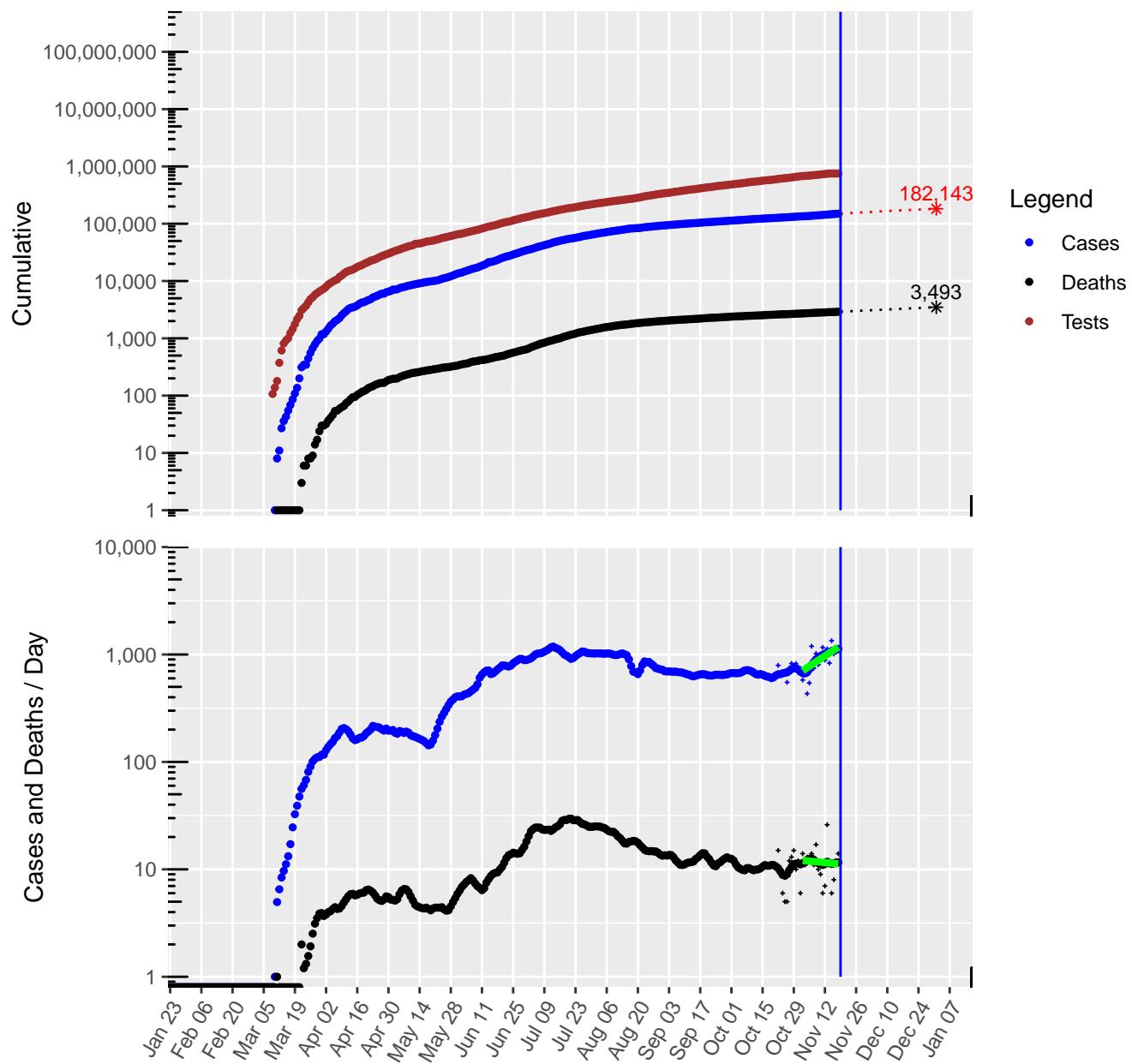
Honduras projection as of 2020-11-19



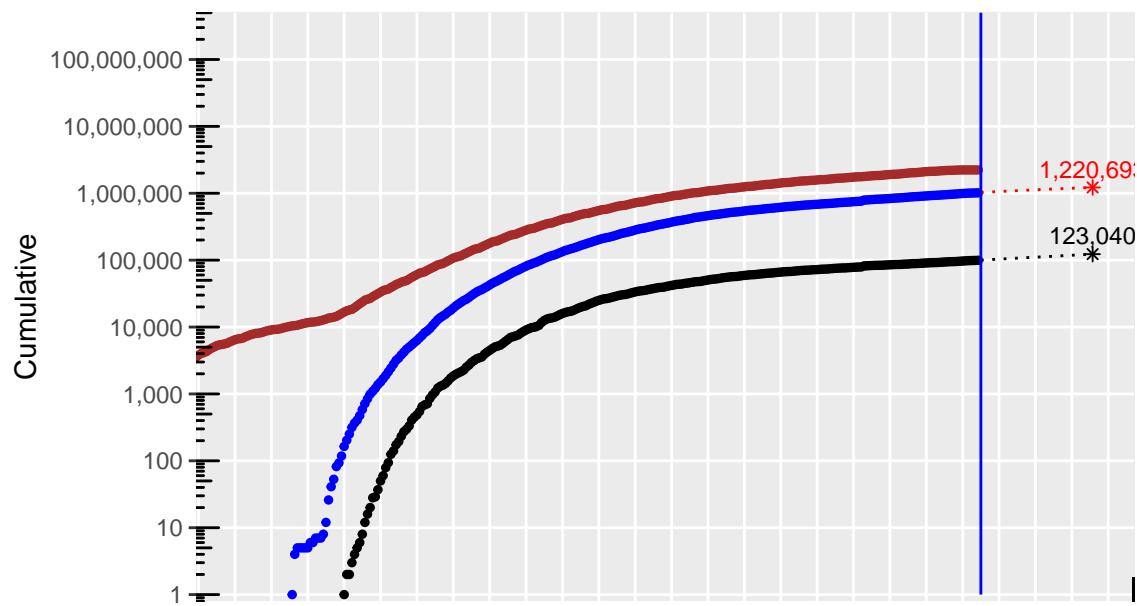
Nicaragua projection as of 2020-11-19



Panama projection as of 2020-11-19

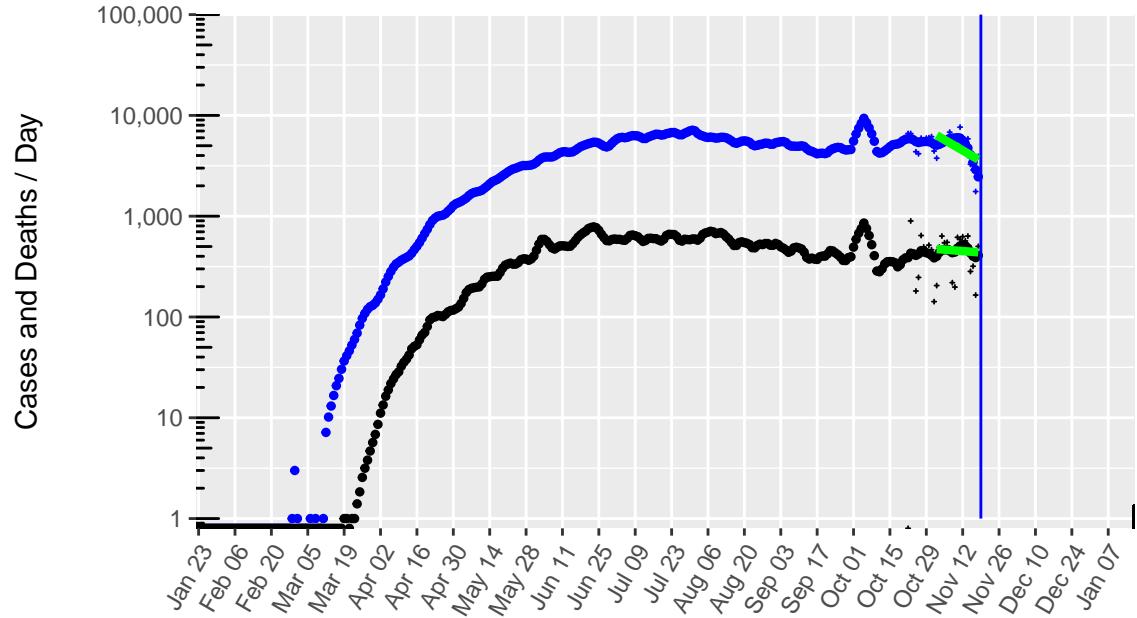


Mexico projection as of 2020-11-19



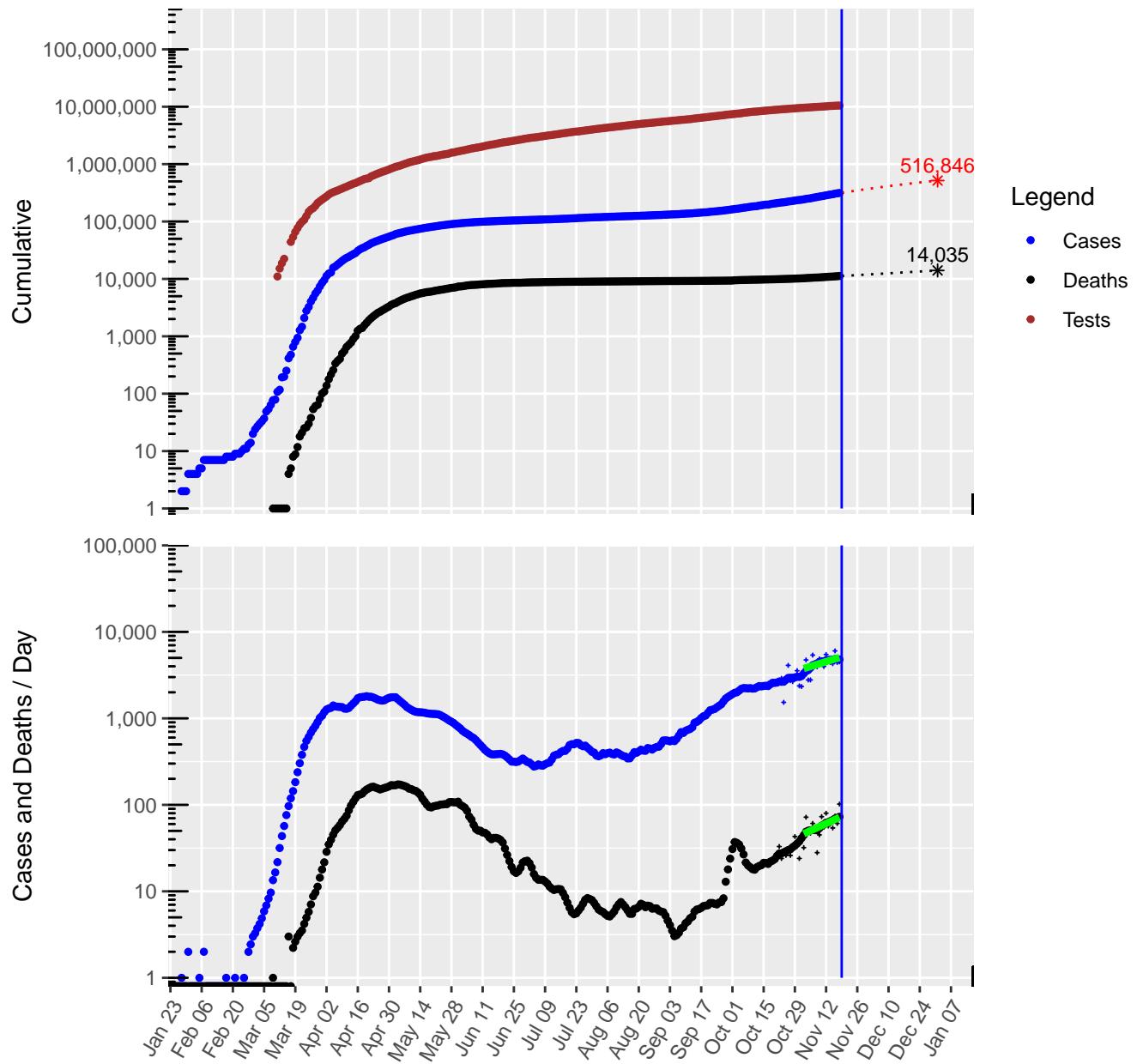
Legend

- Cases
- Deaths
- Tests

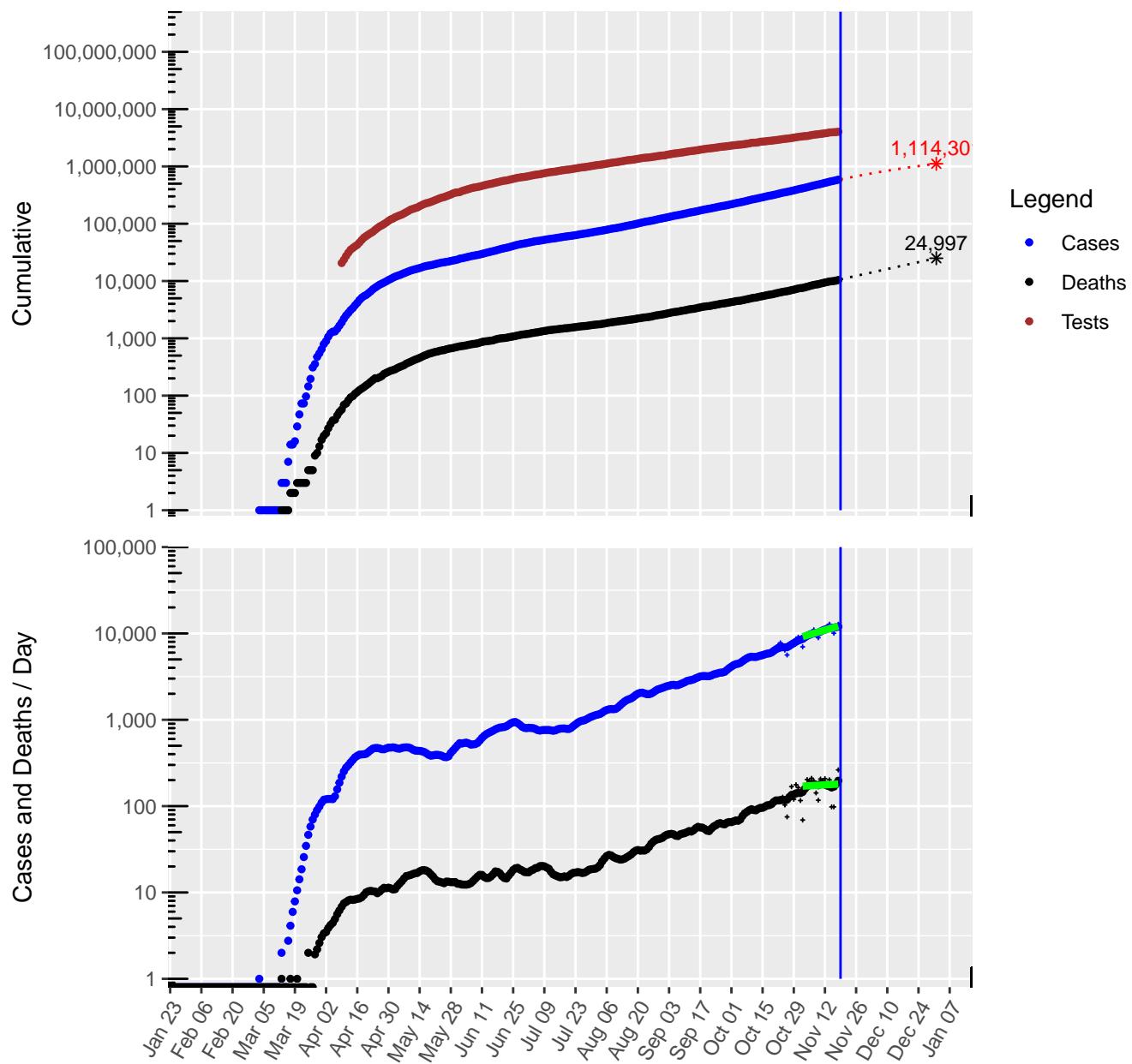


ths: 99,528 (502) --- Case Mortality: 9.8% --- Daily Change: -3.6% Cases, -0.5% Deaths (over 16 days)

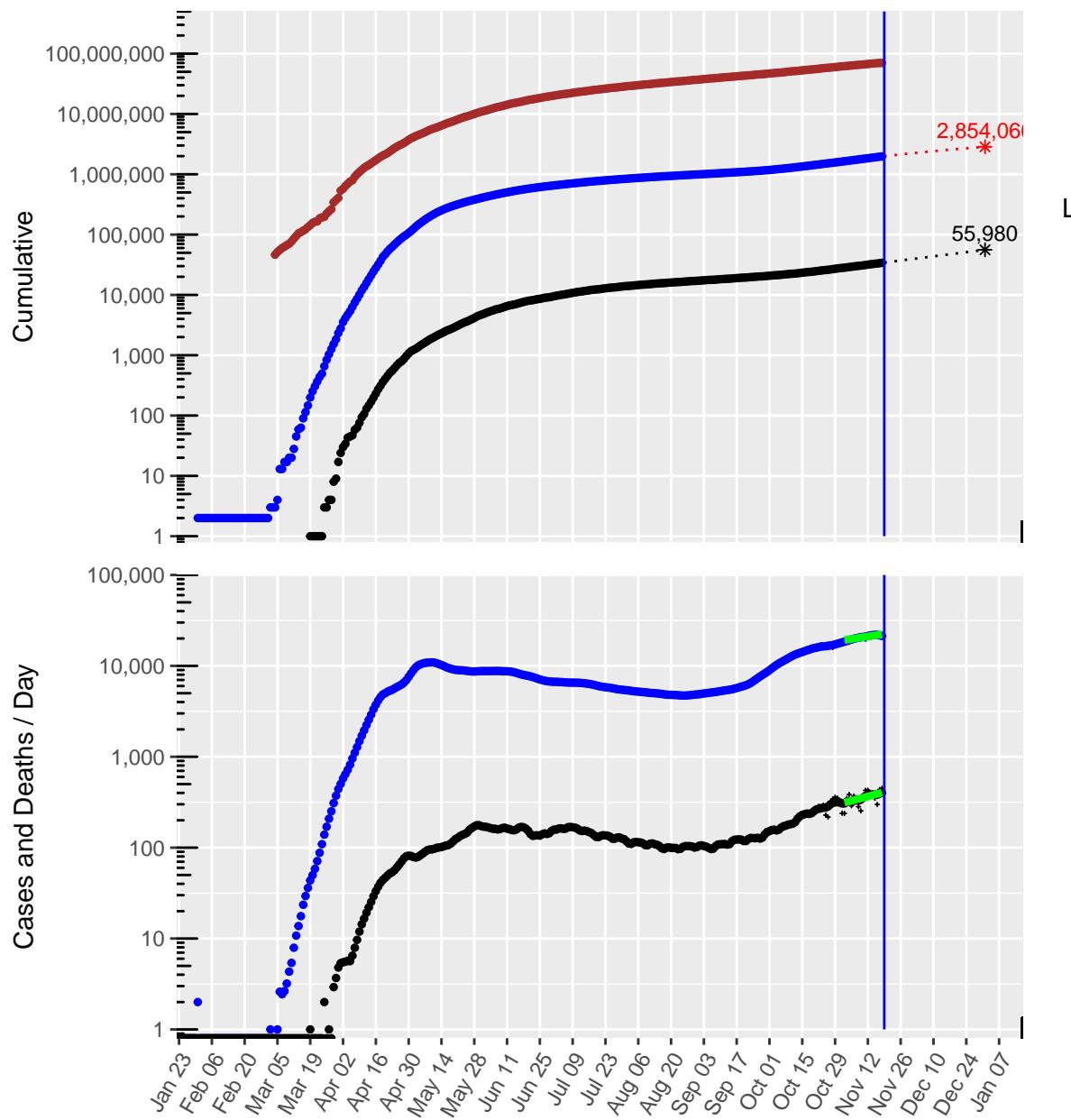
Canada projection as of 2020-11-19



Ukraine projection as of 2020-11-19

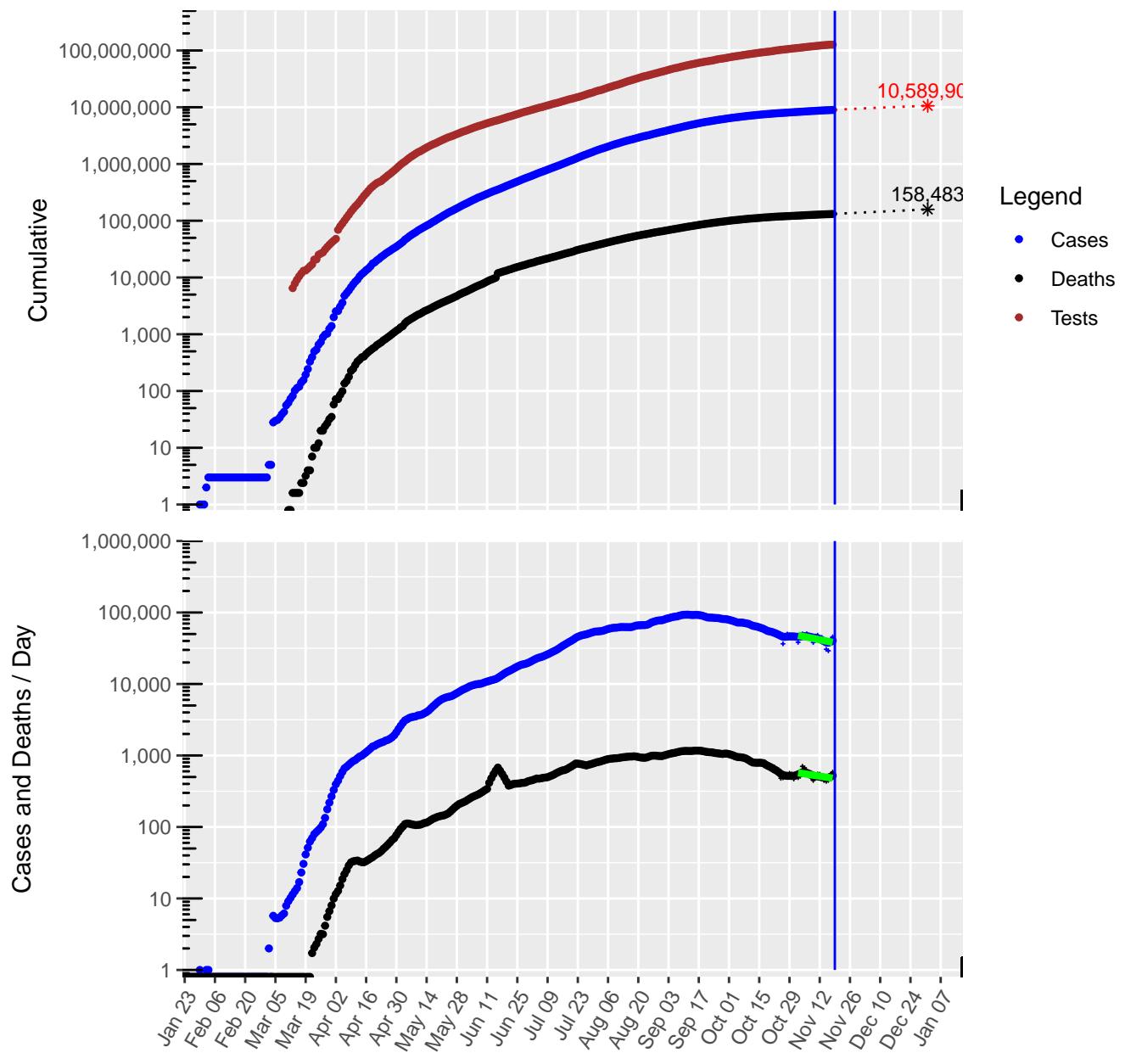


Russia projection as of 2020-11-19



ths: 34,068 (449) --- Case Mortality: 1.7% --- Daily Change: +1.0% Cases, +1.7% Deaths (over 16 days)

India projection as of 2020-11-19



Pakistan projection as of 2020-11-19

