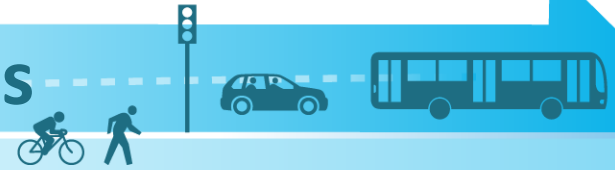


University of Maryland COVID-19 Impact Analysis Platform



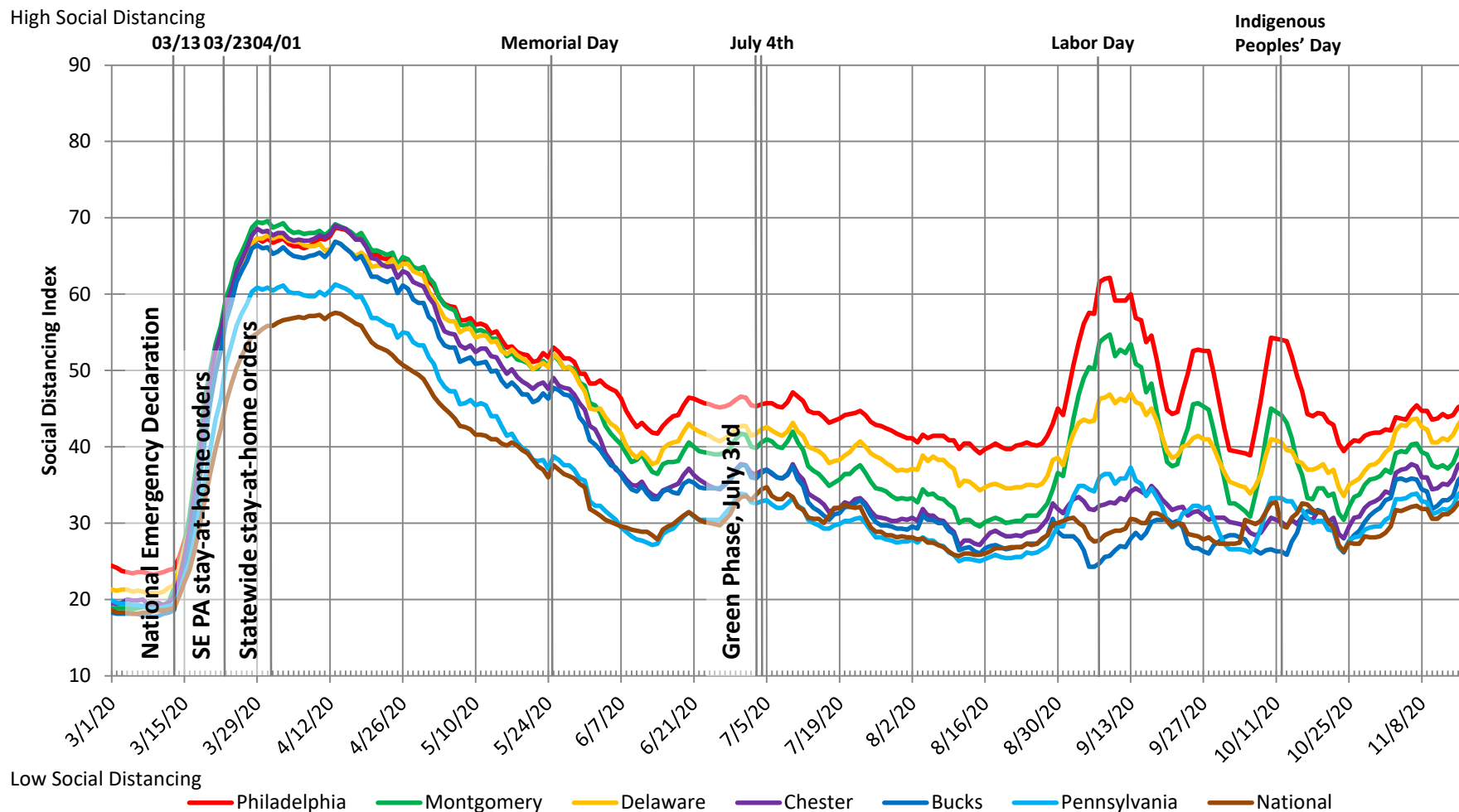
The mobility and social distancing index includes daily reporting of mobility and social distancing information. The principle is that higher social distancing index scores should correspond to fewer chances for close-distance human interactions and COVID-19 transmissions. The six metrics that comprise this index include:

Impact Analysis Platform Metrics



- **Percent staying at home** – Percent of residents staying at home (i.e. no trips more than one mile away from home).
- **Percent of out of county trips** - Percent of all trips taken that travel out of a county.
- **Average miles traveled per person** – Average person-miles traveled per person per day on all modes (car, train, bus, plane, bike, walk, etc.).
- **Trips per person** – Average number of trips taken per person per day.
- **Work trips per person** – Average number of work trips per person per day. A work trip is defined as going to or coming home from a work location.
- **Non-work trips/person** – Average number of non-work trips per person per day.

Social Distancing Index for PA Portion of the DVRPC Region (7-day Average)

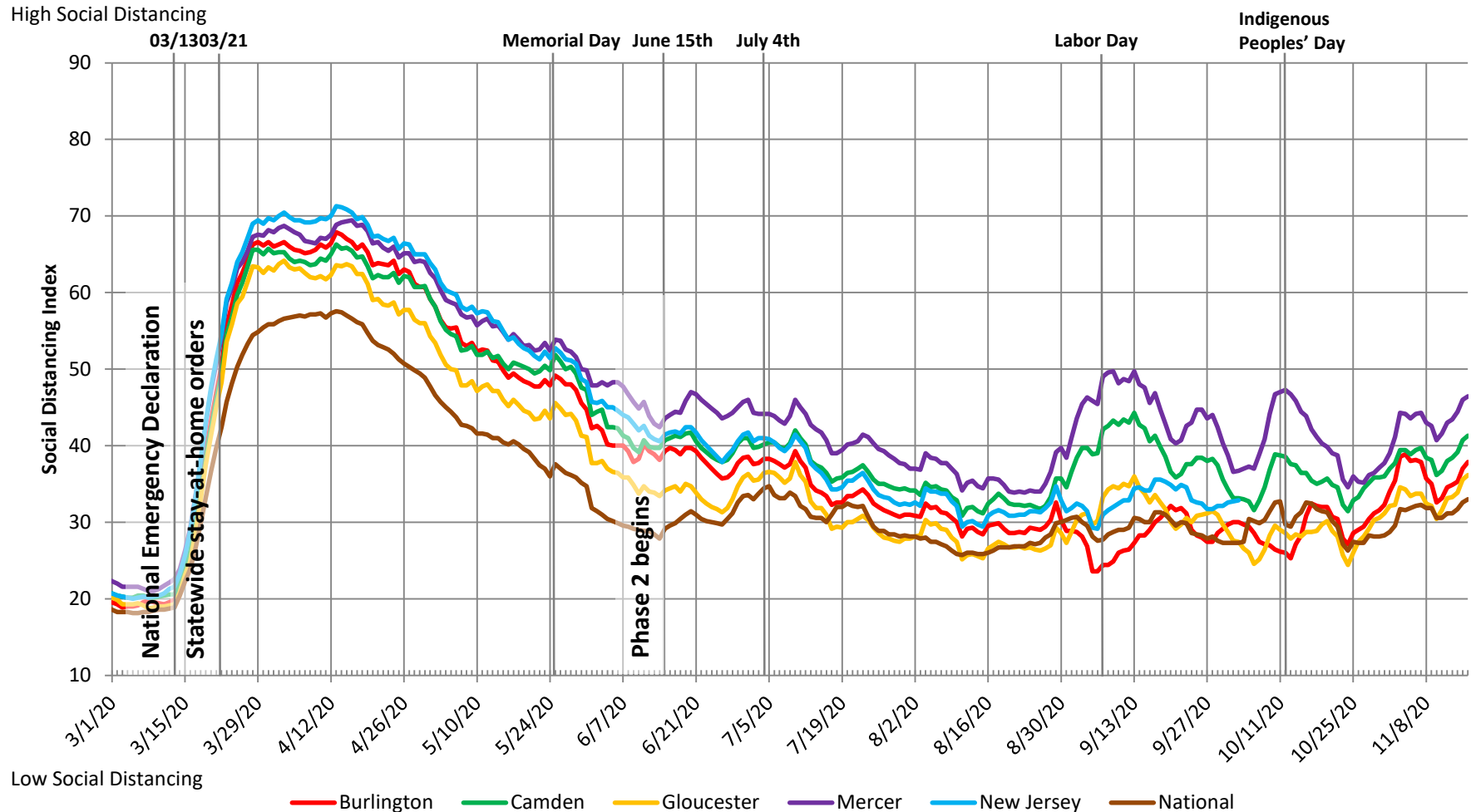


This is the Social Distancing Index measure. “0” indicates that no social distancing is being observed, while “100” indicates all residents are staying at home and no visitors are entering the county. There was a sharp increase in social distancing from March 13th through March 31st using a 7-day moving average, with the five DVRPC Pennsylvania counties on average increasing from 19 to 66, respectively. The measure then remained flat from April 1st through mid-April, and then gradually declined through mid-June. The measure then remained relatively level through late October, except for some spikes in mid-September and October for some of the counties. The measure gradually increased from late October through the end of the analysis period.

Maryland Transportation Institute (2020). University of Maryland COVID-19 Impact Analysis Platform, <https://data.covid.umd.edu>, accessed through [November 16, 2020], University of Maryland, College Park, USA



Social Distancing Index for NJ Portion of the DVRPC Region (7-day Average)



This is the Social Distancing Index measure. “0” indicates that no social distancing is being observed, while “100” indicates all residents are staying at home and no visitors are entering the county. There was a sharp increase in social distancing from March 13th through March 31st, with the four DVRPC New Jersey counties on average increasing from 16 to 64, respectively. The measure then remained level from April 1st through mid-April, and then gradually declined through the end of August. The measure then remained relatively level through late October, except for some spikes in mid-September and October for some of the counties. The Index has gradually increased from late October through the end of the analysis period.

Source: Maryland Transportation Institute (2020). University of Maryland COVID-19 Impact Analysis Platform, <https://data.covid.umd.edu>, accessed through [November 16, 2020], University of Maryland, College Park, USA

