UnderStandingAmericaStudy

UAS COVID-19 CONTEXTUAL DATA DESCRIPTION

USC Dornsife Center for Economic and Social Research
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Contents

1. INTRODUCTION

The UAS Covid-19 Survey National Sample Longitudinal File can be linked to a broad set of external datasources like mobility data, consumption patterns, counts of coronavirus cases, etc.

We have linked parts of these data that we consider useful to the respondent ids in the UAS, so that merging of the external data with the longitudinal file only requires a simple merge. Two files are available. One file links contextual data to the UAS Covid-19 Survey National Sample Longitudinal File on state level and another links contextual data on county level. For county level data, an additional sensitive data addendum needs to be signed.

This document describes the UAS Covid-19 Contextual Data File at the state level. This file was created at the University of Southern California's Center for Economic and Social Research (CESR). Main support for this data set has been provided by the University of Southern California and the Bill & Melinda Gates Foundation.

The UAS Covid-19 Contextual Data File contains data retrieved from public sources on the Internet CUSP and The New York Times. The file will be updated on a bi-weekly basis after a new UAS Covid-19 Longitudinal file is released.

The Covid contextual files have a consistent variable naming structure consisting of a prefix with the source followed by the original variable description from the original dataset.

The Covid-19 Contextual files can only be linked with the UAS Covid-19 Survey National Sample Longitudinal File. How to perform that linkage is described later in this document. A full listing of all available UAS data sets is available on the UAS All Surveys page.

Please send all questions about UAS data sets or this data description to uas-l@mymaillists.usc.edu.

2. OVERVIEW OF THE UAS COVID-19 CONTEXTUAL FILES

2.1 Source Data

The data described in this document are based on public data release files from CUSP and The New York Times. These files are accessible through the following websites:

Source	URL
CUSP	https://www.tinyurl.com/statepolicies
New York Times	https://github.com/nytimes/covid-19-data
The COVID Tracking Project	https://covidtracking.com
IHME	http://www.healthdata.org/covid
Opportunity Insights	https://github.com/Opportunitylab/EconomicTracker

2.2 UAS Covid-19 Longitudinal Files Data Formats

The contextual files are available for download in STATA, CSV, and SAS format from the National Survey Data page. If you would like the data in a different format, please email your request to uas-l@mymaillists.usc.edu.

2.3 Helpful Links

For easy reference, the following are links to pages and files that are mentioned in this document:

UASDATA Covid-19 home page

Data Access page: Lists the steps for how to gain access to UAS survey data, and also specifically, UAS Covid-19 survey data.

National Survey Data page: Contains links to the national sample longitudinal file download and documentation, each individual Covid survey questionnaire, codebook, and file download, as well as links to reports that use national survey data.

Los Angeles County Survey Data page: Contains links to the Los Angeles County sample longitudinal file download and documentation, each individual Covid Los Angeles County survey questionnaire, codebook, and file download, as well as links to reports that use Los Angeles County survey data.

UAS Covid-19 Survey Longitudinal Files Crosswalk

UAS All Surveys page: Contains the complete list of all UAS surveys that have been administered, and provides the codebooks, data download links, and other information about each UAS survey.

My Household Survey Data page: Contains information about the My Household survey, which contains demographic and socioeconomic information updated quarterly by each UAS participant. More information about My Household is included in Section 3.2.2.

UAS Standard Variables page: Lists the full set of descriptive variables that are included in each data set.

UAS Sample Weights page: Provides detailed information about UAS weighting procedures

2.4 Merging with other UAS Data Sets

The Covid Contextual file can be merged with the UAS Covid-19 Longitudinal File using the unique person identifier variable, *uasid* and the survey source, *survey_source.* The uasid variable is assigned to a respondent at recruitment into the UAS panel and stays fixed for each survey taken. The longitudinal files are panel data sets, meaning that multiple records are likely for each uasid; one for each instance a respondent completed a Covid UAS survey. The instance of the completed UAS survey is indicated by the survey source and provides a link to the time of survey completion. Some of the contextual data is related to the time a respondent completed a survey, such as the New York Times count of coronavirus cases.

For more information about default identification variables included in each survey, such as household identifier, *uashhid*, please visit the UAS standard variables page.

3. UAS COVID-19 CONTEXTUAL DATA FILE DESCRIPTION

This section contains details about the variables and sources for the content included in the UAS Covid-19 Contextual Data file. All variables in the Contextual dataset start with a prefix to indicate the source of the data. For example: *nyt_us_cases* is provided by the New York Times.

3.1 Variable Renaming

Efforts are made when creating each variable to preserve the original variable name from each source. However, there are circumstances that require original variable names to be changed. These circumstances are:

1. The variable name used by the source is not suitable for use in STATA (eg: contains spaces)
2. The variable name used by the source is too long to fit into STATA.

3.2 Longitudinal Files Content

The variables included in the contextual file can be classified into 2 main groups: Variables that vary over time (like counts of coronavirus cases) and variables that contain static information (like dates that schools were closed).

3.2.1 Data that vary over time

These data are linked to the UAS Covid-19 Longitudinal file based on the time the survey was started. For example, the variable *nyt_state_cases* contains the number of corona virus cases for the state the respondent resides in at the time of the survey.

3.2.2 Static Data

These data are linked to the UAS Covid-19 Longitudinal file based on the state where the respondent resides. This data will be repeated for each entry in the Longitudinal file. For example, the variable *cusp_stemerg* contains the date of the declaration of emergeny in the state the respondent resides in. This date will not change for other entries in the Longitudinal file for this respondent.

3.3 Variables in the datasset

uasid (UAS) "Individual identifier"

survey_source (UAS) "UAS survey number"

nyt_state_cases "State level Corona virus cases (source: NEW YORK TIMES 2020-07-08)"

nyt_state_deaths "State level Corona virus deaths (source: NEW YORK TIMES 2020-07-0

nyt_us_cases "Country level Corona virus cases (source: NEW YORK TIMES 2020-07-08)"

nyt_us_deaths "Country level Corona virus deaths (source: NEW YORK TIMES 2020-07-08)"

cusp_stemerg "State of emergency (source: CUSP 2020-07-07)"

cusp_clschool "Date closed K-12 schools (source: CUSP 2020-07-07)"

cusp_cldaycr "Closed day cares (source: CUSP 2020-07-07)"

cusp_clnurshm "Date banned visitors to nursing homes (source: CUSP 2020-07-07)"

cusp_stayhome "Stay at home/ shelter in place (source: CUSP 2020-07-07)"

cusp_end_sthm "End/relax stay at home/shelter in place (source: CUSP 2020-07-07)"

cusp_clbsns "Closed non-essential businesses (source: CUSP 2020-07-07)"

cusp_end_bsns "Began to reopen businesses (source: CUSP 2020-07-07)"

cusp_religex "Religious Gatherings Exempt Without Clear Social Distance Mandate* (source: CUSP 2020-07-07)"

cusp_fm_all "Mandate face mask use by all individuals in public spaces (source: CUSP 2020-07-07)"

cusp_fmfine "Face mask mandate enforced by fines (source: CUSP 2020-07-07)"

cusp_fmcite "Face mask mandate enforced by criminal charge/citation (source: CUSP 2020-07-07)"

cusp_fmnoenf "No legal enforcement of face mask mandate (source: CUSP 2020-07-07)"

cusp_fm_emp "Mandate face mask use by employees in public-facing businesses (source: CUSP 2020-07-07)"

cusp_alcopen "Alcohol/Liquor Stores Open (source: CUSP 2020-07-07)"

cusp_alcrest "Allow restaurants to sell takeout alcohol (source: CUSP 2020-07-07)"

cusp_alcdeliv "Allow restaurants to deliver alcohol (source: CUSP 2020-07-07)"

cusp_gunopen "Keep Firearms Sellers Open (source: CUSP 2020-07-07)"

cusp_clrest "Closed restaurants except take out (source: CUSP 2020-07-07)"

cusp_endrest "Reopen restaurants (source: CUSP 2020-07-07)"

cusp_rstoutdr "Initially reopen restaurants for outdoor dining only (source: CUSP 2020-07-07)"

cusp_clgym "Closed gyms (source: CUSP 2020-07-07)"

cusp_endgym "Reopened gyms (source: CUSP 2020-07-07)"

cusp_clmovie "Closed movie theaters (source: CUSP 2020-07-07)"

cusp_end_mov "Reopened movie theaters (source: CUSP 2020-07-07)"

cusp_end_hair "Reopened hair salons/barber shops (source: CUSP 2020-07-07)"

cusp_end_const "Non-essential construction (source: CUSP 2020-07-07)"

cusp_end_relg "Reopen Religious Gatherings (source: CUSP 2020-07-07)"

cusp_endretl "Reopen non-essential retail (source: CUSP 2020-07-07)"

cusp_end_brs "Reopen bars (source: CUSP 2020-07-07)"

cusp_bclbar2 "Begin to Re-Close Bars (source: CUSP 2020-07-07)"

cusp_clbar2 "Re-Close Bars (statewide) (source: CUSP 2020-07-07)"

cusp_clmv2 "Re-Close Movie Theaters (statewide) (source: CUSP 2020-07-07)"

cusp_clgym2 "Re-Close Gyms (statewide) (source: CUSP 2020-07-07)"

cusp_evicintn "Stop Initiation of Evictions overall or due to COVID related issues (source: CUSP 2020-07-07)"

cusp_evicenf "Stop enforcement of evictions overall or due to COVID related issues (source: CUSP 2020-07-07)"

cusp_rntgp "Renter grace period or use of security deposit to pay rent (source: CUSP 2020-07-07)"

cusp_utilso "Order freezing utility shut offs (source: CUSP 2020-07-07)"

cusp_morgfr "Froze mortgage payments (source: CUSP 2020-07-07)"

cusp_snapallo "SNAP Waiver-Emergency Allotments to Current SNAP Households (source: CUSP 2020-07-07)"

cusp_snapebt "SNAP Waiver-Pandemic EBT (source: CUSP 2020-07-07)"

cusp_snapsusp "SNAP Waiver-Temporary Suspension of Claims Collection (source: CUSP 2020-07-07)"

cusp_med1135w "Modify Medicaid requirements with 1135 waivers (date of CMS approval) (source: CUSP 2020-07-07)"

cusp_acaenrol "Reopened ACA enrollment using a special enrollment period (source: CUSP 2020-07-07)"

cusp_prevtlhl "State previously allowed audio-only telehealth (source: CUSP 2020-07-07)"

cusp_tlhlaud "Allow audio-only telehealth (source: CUSP 2020-07-07)"

cusp_tlhlmed "Allow/expand Medicaid telehealth coverage (source: CUSP 2020-07-07)"

cusp_racetest "Report testing by race/ethnicity (source: CUSP 2020-07-07)"

cusp_racecase "Report cases by race/ethnicity (source: CUSP 2020-07-07)"

cusp_racehosp "Report hospitalizations by race/ethnicity (source: CUSP 2020-07-07)"

cusp_racedeat "Report deaths by race/ethnicity (source: CUSP 2020-07-07)"

cusp_visitper "Stopped personal visitation in state prisons (source: CUSP 2020-07-07)"

cusp_visitatt "Stopped in-person attorney visits in state prisons (source: CUSP 2020-07-07)"

cusp_nocopay "Does not charge copays for incarcerated individuals (source: CUSP 2020-07-07)"

cusp_nopaycov "Waived COVID/respiratory illness-related copays during pandemic for incarcerated individuals (source: CUSP 2020-07-07)"

cusp_nopayall "Waived all copays during pandemic for incarcerated individuals (source: CUSP 2020-07-07)"

cusp_yescopay "Did not waive copays for incarcerated individuals (source: CUSP 2020-07-07)"

cusp_elecprcr "Suspended elective medical/dental procedures (source: CUSP 2020-07-07)"

cusp_endelecp "Resumed elective medical procedures (source: CUSP 2020-07-07)"

cusp_wtprd "Prior to pandemic (source: CUSP 2020-07-07)"

cusp_wv_wtprd "Waived one week waiting period for unemployment insurance (source: CUSP 2020-07-07)"

cusp_wv_wksr "Waive work search requirement for unemployment insurance (source: CUSP 2020-07-07)"

cusp_uiquar "Expand eligibility of unemployment insurance to anyonewho is quarantined and/or taking care of someone who is quarantined (source: CUSP 2020-07-07)"

cusp_uihirisk "Expand eligibility to high-risk individuals in preventative quarantine (source: CUSP 2020-07-07)"

cusp_uicldcr "Expand eligibility of unemployment insurance to those who have lost childcare/school closures (source: CUSP 2020-07-07)"

cusp_uiextnd "Extend the amount of time an individual can be on unemployment insurance (source: CUSP 2020-07-07)"

cusp_uimaxamt "Weekly unemployment insurance maximum amount (dollars) (source: CUSP 2020-07-07)"

cusp_uimaxext "Weekly unemployment insurance maximum amount with extra stimulus (through July 21, 2020) (dollars) (source: CUSP 2020-07-07)"

cusp_uimaxdur "Unemployment insurance maximum duration (weeks) (source: CUSP 2020-07-07)"

cusp_uimaxcar "Unemployment insurance maximum duration with Pandemic Emergency Unemployment Compensation CARES extension (weeks) (source: CUSP 2020-07-07)"

cusp_lmabrn "Made Effort to Limit Abortion Access (source: CUSP 2020-07-07)"

cusp_tlhlbupr "Use of telemedicine/telephone evaluations to initiate buprenorphine prescribing (source: CUSP 2020-07-07)"

cusp_extopfl "Patients can receive 14-28 take-home doses of opioid medication (source: CUSP 2020-07-07)"

cusp_hmdlvop "Home delivery of take-home medication by opioid treatment programs (source: CUSP 2020-07-07)"

cusp_tlhlcl24 "Use of telemedicine for schedule II-V prescriptions (source: CUSP 2020-07-07)"

cusp_excemorp "Exceptions to emergency oral prescriptions (source: CUSP 2020-07-07)"

cusp_wvdeareq "Waive requirement to obtain separate DEA registration to dispense outside home state (source: CUSP 2020-07-07)"

cusp_pdsklv "Paid sick leave (source: CUSP 2020-07-07)"

cusp_medexp "Medicaid Expansion (source: CUSP 2020-07-07)"

cusp_popden18 "Population density per square miles (source: CUSP 2020-07-07)"

cusp_pop18 "Population 2018 (source: CUSP 2020-07-07)"

cusp_sqml "Square Miles (source: CUSP 2020-07-07)"

cusp_hmls19 "Number Homeless (2019) (source: CUSP 2020-07-07)"

cusp_unemp18 "Percent Unemployed (2018) (source: CUSP 2020-07-07)"

cusp_pov18 "Percent living under the federal poverty line (2018) (source: CUSP 2020-07-07)"

cusp_riskcov "Percent at risk for serious illness due to COVID (source: CUSP 2020-07-07)"

cusp_death18 "All-cause deaths 2018 (source: CUSP 2020-07-07)"atl_positive "Total cumulative positive test results (source: COVID TRACKING PROJECT 2020-07-08)"

atl_negative "Total cumulative negative test results (source: COVID TRACKING PROJECT 2020-07-08)"

atl_pending "Tests that have been submitted to a lab but no results have been reported yet (source: COVID TRACKING PROJECT 2020-07-08)"

atl_hospitalizedcurrently "Number of individuals currently hospitalized (source: COVID TRACKING PROJECT 2020-07-08)"

atl_hospitalizedcumulative "Total number of individuals that have been hospitalized, including those that have been discharged (source: COVID TRACKING PROJECT 2020-07-08)"

atl_inicucurrently "Number of individuals currently in an ICU (source: COVID TRACKING PROJECT 2020-07-08)"

atl_inicucumulative "Total number of individuals that have been in the ICU (source: COVID TRACKING PROJECT 2020-07-08)"

atl_onventilatorcurrently "Number of individuals currently on a ventilator (source: COVID TRACKING PROJECT 2020-07-08)"

atl_onventilatorcumulative "Total number of individuals that have been on a ventilator (source: COVID TRACKING PROJECT 2020-07-08)"

atl_recovered "Total number of individuals that have tested negative after a previous positive test (source: COVID TRACKING PROJECT 2020-07-08)"

atl_dataqualitygrade "The state data quality grade (source: COVID TRACKING PROJECT 2020-07-08)"

atl_lastupdateet "The time when the data was published (source: COVID TRACKING PROJECT 2020-07-08)"

atl_death "Total cumulative number of people that have died (source: COVID TRACKING PROJECT 2020-07-08)"

atl_hospitalized "Total cumulative number of people hospitalized (source: COVID TRACKING PROJECT 2020-07-08)"

atl_totaltestsviral "Total number of PCR tests performed (source: COVID TRACKING PROJECT 2020-07-08)"

atl_positivetestsviral "Total number of positive PCR tests (source: COVID TRACKING PROJECT 2020-07-08)"

atl_negativetestsviral "Total number of negative PCR tests (source: COVID TRACKING PROJECT 2020-07-08)"

atl_positivecasesviral "Total number of positive cases measured with PCR tests (source: COVID TRACKING PROJECT 2020-07-08)"

atl_negativeincrease "Negative: Increase from the day before (source: COVID TRACKING PROJECT 2020-07-08)"

atl_positiveincrease "Positive: Increase from the day before (source: COVID TRACKING PROJECT 2020-07-08)"

atl_totaltestresults "Calculated value (positive + negative) of total test results (source: COVID TRACKING PROJECT 2020-07-08)"

atl_totaltestresultsincrease "Total test results: Increase from the day before (source: COVID TRACKING PROJECT 2020-07-08)"

atl_deathincrease "Deaths: Increase from the day before (source: COVID TRACKING PROJECT 2020-07-08)"

atl_hospitalizedincrease "Hospitalized: Increase from the day before (source: COVID TRACKING PROJECT 2020-07-08)"

ihme_allbed_mean "Mean covid beds needed by day (source: IHME 2020-07-04)"

ihme_allbed_lower "Lower uncertainty bound of covid beds needed by day (source: IHME 2020-07-04)"

ihme_allbed_upper "Upper uncertainty bound of covid beds needed by day (source: IHME 2020-07-04)"

ihme_icubed_mean "Mean ICU covid beds needed by day (source: IHME 2020-07-04)"

ihme_icubed_lower "Lower uncertainty bound of ICU covid beds needed by day (source: IHME 2020-07-04)"

ihme_icubed_upper "Upper uncertainty bound of ICU covid beds needed by day (source: IHME 2020-07-04)"

ihme_invven_mean "Mean invasive ventilation needed by day (source: IHME 2020-07-04)"

ihme_invven_lower "Lower uncertainty bound of invasive ventilation needed by day (source: IHME 2020-07-04)"

ihme_invven_upper "Upper uncertainty bound of invasive ventilation needed by day (source: IHME 2020-07-04)"

ihme_admis_mean "Mean hospital admissions by day (source: IHME 2020-07-04)"

ihme_admis_lower "Lower uncertainty bound of hospital admissions by day (source: IHME 2020-07-04)"

ihme_admis_upper "Upper uncertainty bound of hospital admissions by day (source: IHME 2020-07-04)"

ihme_newicu_mean "Mean number of new people going to the ICU by day (source: IHME 2020-07-04)"

ihme_newicu_lower "Lower uncertainty bound of the number of new people going to the ICU by day (source: IHME 2020-07-04)"

ihme_newicu_upper "Upper uncertainty bound of the number of new people going to the ICU by day (source: IHME 2020-07-04)"

ihme_bedover_mean "[covid all beds needed] - ([total bed capacity] - [average all bed usage]) (source: IHME 2020-07-04)"

ihme_bedover_lower "Lower uncertainty bound of bedover (above) (source: IHME 2020-07-04)"

ihme_bedover_upper "Upper uncertainty bound of bedover (above) (source: IHME 2020-07-04)"

ihme_icuover_mean "[covid ICU beds needed] - ([total ICU capacity] - [average ICU bed usage]) (source: IHME 2020-07-04)"

ihme_icuover_lower "Lower uncertainty bound of icuover (above) (source: IHME 2020-07-04)"

ihme_icuover_upper "Upper uncertainty bound of icuover (above) (source: IHME 2020-07-04)"

ihme_deaths_mean "Mean daily covid deaths (source: IHME 2020-07-04)"

ihme_deaths_lower "Lower uncertainty bound of daily covid deaths (source: IHME 2020-07-04)"

ihme_deaths_upper "Upper uncertainty bound of daily covid deaths (source: IHME 2020-07-04)"

ihme_totdea_mean "Mean cumulative covid deaths (source: IHME 2020-07-04)"

ihme_totdea_lower "Lower uncertainty bound of cumulative covid deaths (source: IHME 2020-07-04)"

ihme_totdea_upper "Upper uncertainty bound of cumulative covid deaths (source: IHME 2020-07-04)"

ihme_deaths_mean_smoothed "Mean daily covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_deaths_lower_smoothed "Lower uncertainty bound of daily covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_deaths_upper_smoothed "Upper uncertainty bound of daily covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_totdea_mean_smoothed "Mean cumulative covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_totdea_lower_smoothed "Lower uncertainty bound of cumulative covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_totdea_upper_smoothed "Upper uncertainty bound of cumulative covid deaths (smoothed) (source: IHME 2020-07-04)"

ihme_mobility_data_type "Indicator of whether mobility composite is observed / projected (source: IHME 2020-07-04)"

ihme_mobility_composite "Mobility composite score (source: IHME 2020-07-04)"

ihme_total_tests_data_type "Indicator of whether total tests composite is observed or projected (source: IHME 2020-07-04)"

ihme_total_tests "Total tests (source: IHME 2020-07-04)"

ihme_confirmed_infections "Observed data only (confirmed infections) (source: IHME 2020-07-04)"

ihme_est_infections_mean "Mean estimated infections (source: IHME 2020-07-04)"

ihme_est_infections_lower "Lower uncertainty bound of estimated infections (source: IHME 2020-07-04)"

ihme_est_infections_upper "Upper uncertainty bound estimated infections (source: IHME 2020-07-04)"

ihme_peak_bed_day_mean "Mean peak bed use date (source: IHME 2020-07-04)"

ihme_peak_bed_day_lower "Lower uncertainty bound of peak bed use date (source: IHME 2020-07-04)"

ihme_peak_bed_day_upper "Upper uncertainty bound of peak bed use date (source: IHME 2020-07-04)"

ihme_peak_icu_bed_day_mean "Mean peak ICU bed use date (source: IHME 2020-07-04)"

ihme_peak_icu_bed_day_lower "Lower uncertainty bound of peak ventilator use date (source: IHME 2020-07-04)"

ihme_peak_icu_bed_day_upper "Upper uncertainty bound of peak ventilator use date (source: IHME 2020-07-04)"

ihme_peak_vent_day_mean "Mean peak ventilator use date (source: IHME 2020-07-04)"

ihme_peak_vent_day_lower "Lower uncertainty bound of peak ventilator use date (source: IHME 2020-07-04)"

ihme_peak_vent_day_upper "Upper uncertainty bound of peak ventilator use date (source: IHME 2020-07-04)"

ihme_all_bed_capacity "Total number of beds that exist at that location (source: IHME 2020-07-04)"

ihme_icu_bed_capacity "Total number of icu beds that exist at that location (source: IHME 2020-07-04)"

ihme_all_bed_usage "Average number of total beds used normally at that location (source: IHME 2020-07-04)"

ihme_icu_bed_usage "Average number of icu beds used normally at that location (source: IHME 2020-07-04)"

ihme_available_all_nbr "All_bed_capacity - all_bed_usage: excess bed capacity at that location (source: IHME 2020-07-04)"

ihme_available_icu_nbr "Icu_bed_capacity - icu_bed_usage: icu excess bed capacity at that location (source: IHME 2020-07-04)"

ihme_travel_limit_start_date "Start date for Severe travel restrictions (source: IHME 2020-07-04)"

ihme_travel_limit_end_date "End date for Severe travel restrictions (source: IHME 2020-07-04)"

ihme_stay_home_start_date "Start date for People ordered to stay at home (source: IHME 2020-07-04)"

ihme_stay_home_end_date "End date for People ordered to stay at home (source: IHME 2020-07-04)"

ihme_educational_fac_start_date "Start date for Educational facilities closed (source: IHME 2020-07-04)"

ihme_educational_fac_end_date "End date for Educational facilities closed (source: IHME 2020-07-04)"

ihme_any_gath_rest_start_date "Start date for Any gathering restrictions (source: IHME 2020-07-04)"

ihme_any_gath_restt_end_date "End date for Any gathering restrictions (source: IHME 2020-07-04)"

ihme_any_business_start_date "End date for Any business closures (source: IHME 2020-07-04)"

ihme_any_business_end_date "End date for Any business closures (source: IHME 2020-07-04)"

ihme_all_non_ess_bus_start_date "Start date of Non-essential businesses ordered to close (source: IHME 2020-07-04)"

ihme_all_non_ess_bus_end_date "End date of Non-essential businesses ordered to close (source: IHME 2020-07-04)"

aff_spend_acf "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in accomodation and food service (ACF) MCCs, 7 day moving average, 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_aer "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in arts, entertainment, and recreation (AER) MCCs, 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_all "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in all merchant category codes (MCC), 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_all_inchigh "Seasonally adjusted credit/debit card spending by consumers living in ZIP codes with high (top quartile) median income, relative to January 4-31 2020 in all merchant category codes (MCC), 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_all_inclow "Seasonally adjusted credit/debit card spending by consumers living in ZIP codes with low (bottom quartiles) median income, relative to January 4-31 2020 in all merchant category codes (MCC), 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_all_incmiddle "Seasonally adjusted credit/debit card spending by consumers living in ZIP codes with middle (middle two quartiles) median income, relative to January 4-31 2020 in all merchant category codes (MCC), 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_apg "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in general merchandise stores (GEN) and apparel and accessories (AAP) MCCs, 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_grf "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in grocery and food store (GRF) MCCs, 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_hcs "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in health care and social assistance (HCS) MCCs, 7 day moving average. (source: AFFINTY 2020-07-07)"

aff_spend_tws "Seasonally adjusted credit/debit card spending relative to January 4-31 2020 in transportation and warehousing (TWS) MCCs, 7 day moving average. (source: AFFINTY 2020-07-07)"

goo_gps_retail_and_recreation "Time spent at retail and recreation locations. (source: GOOGLE 2020-07-07)"

goo_gps_grocery_and_pharmacy "Time spent at grocery and pharmacy locations. (source: GOOGLE 2020-07-07)"

goo_gps_parks "Time spent at parks. (source: GOOGLE 2020-07-07)"

goo_gps_transit_stations "Time at inside transit stations. (source: GOOGLE 2020-07-07)"

goo_gps_workplaces "Time spent at work places. (source: GOOGLE 2020-07-07)"

goo_gps_residential "Time spent at residential locations. (source: GOOGLE 2020-07-07)"

goo_gps_away_from_home "Time spent outside of residential locations. (source: GOOGLE 2020-07-07)"