

Opportunity Insights Economic Tracker Data Dictionary

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1 Overview

Each data source and level of aggregation has a separate CSV, named using the following convention: *Data source – Geographic Level of Aggregation – Temporal Level of Aggregation*

Additionally, we have three files, **GeoIDs – State** and **GeoIDs – County** and **GeoIDs – City**, that provide information on geographic crosswalks and aggregation. These can be merged to any file sharing the same geographic level of aggregation using the geographic identifier. Additionally, **GeoIDs – County** indicates the commuting zone (CZ) and state that each county belongs to. The City-level data (listed under “Metro” on the tracker site) associates the largest cities in the United States with a representative county one-to-one (except in the case of New York City which includes the 5 boroughs).

Finally, we have gathered a collection of key state-level policy dates relevant for changes in other series trends and values. These are contained in the **Policy Milestones – State** file.

A description of the columns in each file follows.

2 GeoID File Descriptions

2.1 GeoIDs - State.csv

Geographic identifier: `statefips`

- `statename`: The name of the state.
- `stateabbrev`: The 2-letter state abbreviation.
- `state_pop2019`: The population of the state in 2019, from Census Bureau estimates.

2.2 GeoIDs - County.csv

Geographic identifier: `countyfips`

- `countyname`: The name of the county.
- `cityid`: The city identifier that the county is assigned to.
- `cityname`: The name of the city that the county is assigned to.
- `cz`: The numeric identifier of the commuting zone (CZ) in which the county is contained.
- `czname`: The name of the commuting zone (CZ) in which the county is contained.
- `statename`: The name of the state in which the county is contained.
- `statefips`: The FIPS code of the state in which the county is contained.
- `stateabbrev`: The 2-letter abbreviation of the state in which the county is contained.
- `county_pop2019`: The population of the county in 2019 according to Census Bureau estimates.

2.3 GeoIDs - City.csv

Geographic identifier: `cityid`

- `cityname`: The name of the city.
- `stateabbrev`: The 2-letter abbreviation of the primary state in which the city is contained.
- `statename`: The name of the primary state in which the city is contained.
- `statefips`: The FIPS code of the primary state in which the city is contained.
- `lat`: Latitude of the city.
- `lon`: Longitude of the city.
- `city_pop2019`: The population of the city in 2019 according to Census Bureau estimates, calculated as population of the county or counties assigned to the city.

3 Data File Descriptions

3.1 Affinity

Credit/debit card spending data from [Affinity Solutions](#).

- `spend_all`: Spending in all merchant category codes (MCCs).
 - `spend_all_q#`: ...by consumers living in ZIP codes with median income in quartile #.
 - `spend_all_incmiddle`: ...by consumers living in ZIP codes with middle (middle two quartiles) median income.
- `spend_aap`: Spending in apparel and accessories (AAP) MCCs.
 - `spend_aap_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_acf`: Spending in accomodation and food service (ACF) MCCs.
 - `spend_acf_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_aer`: Spending in arts, entertainment, and recreation (AER) MCCs.
 - `spend_aer_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_apg`: Spending in general merchandise stores (GEN) and apparel and accessories (AAP) MCCs.
 - `spend_apg_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_gen`: Spending in general merchandise stores (GEN) MCCs.
 - `spend_gen_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_grf`: Spending in grocery and food store (GRF) MCCs.
 - `spend_grf_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_hcs`: Spending in health care and social assistance (HCS) MCCs.
 - `spend_hcs_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_hic`: Spending in home improvement centers (HIS) MCCs.
 - `spend_hic_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_sgh`: Spending in sporting goods and hobby (SGH) MCCs.
 - `spend_sgh_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_tws`: Spending in transportation and warehousing (TWS) MCCs.

- `spend_tws_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_retail_w_grocery`: Spending in retail (AAP, CEC, GEN, GRF, HIC, SGH, ETC) MCCs including grocery spending.
 - `spend_retail_w_grocery_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_retail_no_grocery`: Spending in retail (AAP, CEC, GEN, HIC, SGH, ETC) MCCs excluding grocery spending.
 - `spend_retail_no_grocery_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_durables`: Spending in durable goods (CEC, CTE, HIC, MOV, SGH, ETC) MCCs.
 - `spend_durables_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_nondurables`: Spending in non-durable goods (AAP, AFH, GEN, GRF, HPC, WHT) MCCs.
 - `spend_nondurables_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_remoteservices`: Spending in remote services (AWS, CNS, EDS, FAI, INF, PST, PUA, UTL) MCCs.
 - `spend_remoteservices_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `spend_inpersonmisc`: Spending in other in-person services (MOS, RLL) MCCs.
 - `spend_inpersonmisc_q#`: ...by consumers living in ZIP codes with median income in quartile #.
- `provisional`: Indicator to mark that the date is within the most recent three weeks of data and is subject to non-negligible changes as new data is posted.
- `freq`: Marks whether the data represents a daily (“d”) or weekly (“w”) value.

All spending variables are measured relative to January 4-31 2020, seasonally adjusted, and calculated as a 7 day moving average. When we subdivide by income using the median income of the ZIP codes, q1 is the quartile with the lowest median income and q4 is the quartile with the highest median income. At the national level, we release a variety of breakdowns *without seasonal adjustment* in variables that begin with `spend_s_` (relative to Jan 2020) or `spend_19_` (relative to Jan 2019) instead of `spend_`.

The merchant category codes (MCC) making up the grouped spending categories are:

- **Retail spending:** AAP apparel and accessories, CEC consumer electronics, GEN general merchandise stores, GRF groceries, HIC home improvement centers, SGH sporting goods and hobby, ETC miscellaneous.
- **Durable goods:** CEC consumer electronics, CTE telecommunications equipment, HIC home improvement centers, MOV motor vehicles, SGH sporting goods and hobby, ETC miscellaneous.
- **Non-durable goods:** AAP apparel and accessories, AFH agriculture forestry and hunting, GEN general merchandise stores, GRF groceries, HPC health and personal care stores, WHT wholesale trade.
- **Remote services:** AWS administration and waste services, CNS construction, EDS education, FAI finance and insurance, INF information, PST professional/scientific services, PUA public administration, UTL utilities.
- **Other in-person services:** MOS barber shops and spas, RLL real estate and leasing.

3.2 Burning Glass

Job postings data from [Burning Glass Technologies](#).

- **bg_posts**: Average level of job postings relative to January 4-31 2020.
- **bg_posts_ss30**: Average level of job postings relative to January 4-31 2020 in manufacturing (NAICS supersector 30).
- **bg_posts_ss55**: Average level of job postings relative to January 4-31 2020 in financial activities (NAICS supersector 55).
- **bg_posts_ss60**: Average level of job postings relative to January 4-31 2020 in professional and business services (NAICS supersector 60).
- **bg_posts_ss65**: Average level of job postings relative to January 4-31 2020 in education and health services (NAICS supersector 65).
- **bg_posts_ss70**: Average level of job postings relative to January 4-31 2020 in leisure and hospitality (NAICS supersector 70).
- **bg_posts_jz1**: Average level of job postings relative to January 4-31 2020 requiring little/no preparation (ONET jobzone level 1).
- **bg_posts_jz2**: Average level of job postings relative to January 4-31 2020 requiring some preparation (ONET jobzone level 2).
- **bg_posts_jz3**: Average level of job postings relative to January 4-31 2020 requiring medium preparation (ONET jobzone level 3).
- **bg_posts_jz4**: Average level of job postings relative to January 4-31 2020 requiring considerable preparation (ONET jobzone level 4).
- **bg_posts_jz5**: Average level of job postings relative to January 4-31 2020 requiring extensive preparation (ONET jobzone level 5).
- **bg_posts_jzgrp12**: Average level of job postings relative to January 4-31 2020 requiring low preparation (ONET jobzone levels 1 and 2).
- **bg_posts_jzgrp345**: Average level of job postings relative to January 4-31 2020 requiring high preparation (ONET jobzone levels 3, 4 and 5).

3.3 COVID

COVID cases, deaths, tests, and vaccination numbers are from the [CDC](#).

- **case_rate**: Confirmed COVID-19 cases per 100,000 people, seven day moving average.
 - **case_count**: Confirmed COVID-19 cases, seven day moving average.
- **new_case_rate**: New confirmed COVID-19 cases per 100,000 people, seven day moving average.
 - **new_case_count**: New confirmed COVID-19 cases, seven day moving average.
- **death_rate**: Confirmed COVID-19 deaths per 100,000 people, seven day moving average.
 - **death_count**: Confirmed COVID-19 deaths, seven day moving average.
- **new_death_rate**: New confirmed COVID-19 deaths per 100,000 people, seven day moving average.
 - **new_death_count**: New confirmed COVID-19 deaths, seven day moving average.
- **test_rate**: Confirmed COVID-19 tests per 100,000 people, seven day moving average.
 - **test_count**: Confirmed COVID-19 tests, seven day moving average.
- **new_test_rate**: New confirmed COVID-19 tests per 100,000 people, seven day moving average.
 - **new_test_count**: New confirmed COVID-19 tests, seven day moving average.
- **vaccine_rate**: First vaccine doses administered per 100 people.
 - **vaccine_count**: First vaccine doses administered.
- **new_vaccine_rate**: New first vaccine doses administered per 100 people, seven day moving average.

- **new_vaccine_count**: New first vaccine doses administered, seven day moving average.
- **fullvaccine_rate**: Vaccine series completed per 100 people.
 - **fullvaccine_count**: Vaccine series completed.
- **new_fullvaccine_rate**: New vaccine series completed per 100 people, seven day moving average.
 - **new_fullvaccine_count**: New vaccine series completed, seven day moving average.
- **hospitalized_rate**: New patients currently hospitalized in an inpatient bed who have suspected or confirmed COVID-19 per 100,000 people, seven day moving average.
 - **hospitalized_count**: Newly patients currently hospitalized in an inpatient bed who have suspected or confirmed COVID-19, seven day moving average.

3.4 Google Mobility

GPS mobility data indexed to Jan 3-Feb 6 2020 from [Google COVID-19 Community Mobility Reports](#).

- **gps_away_from_home**: Time spent outside of residential locations.
- **gps_retail_and_recreation**: Time spent at retail and recreation locations.
- **gps_grocery_and_pharmacy**: Time spent at grocery and pharmacy locations.
- **gps_parks**: Time spent at parks.
- **gps_transit_stations**: Time at inside transit stations.
- **gps_workplaces**: Time spent at work places.
- **gps_residential**: Time spent at residential locations.

3.5 Employment

Employment levels relative to Jan 4-31 2020 from [Paychex](#), [Intuit](#), [Earnin](#) and [Kronos](#).

- **emp**: Employment level for all workers.
- **emp_incq1**: Employment level for workers in the bottom quartile of the income distribution (incomes approximately under \$27,000).
- **emp_incq2**: Employment level for workers in the second quartile of the income distribution (incomes approximately \$27,000 to \$37,000).
- **emp_incmiddle**: Employment level for workers in the middle two quartiles of the income distribution (incomes approximately \$27,000 to \$60,000).
- **emp_incq3**: Employment level for workers in the third quartile of the income distribution (incomes approximately \$37,000 to \$60,000).
- **emp_incq4**: Employment level for workers in the top quartile of the income distribution (incomes approximately over \$60,000).
- **emp_incbelowmed**: Employment level for workers in the bottom half of the income distribution (incomes approximately under \$37,000).
- **emp_incabovemed**: Employment level for workers in the top half of the income distribution (incomes approximately over \$37,000).
- **emp_ss40**: Employment level for workers in trade, transportation and utilities (NAICS supersector 40).
- **emp_ss60**: Employment level for workers in professional and business services (NAICS supersector 60).
- **emp_ss65**: Employment level for workers in education and health services (NAICS supersector 65).
- **emp_ss70**: Employment level for workers in leisure and hospitality (NAICS supersector 70).
- **emp_retail**: Employment level for workers in retail (NAICS sector 44-45).

- **emp_retail_inclow**: Employment level for workers in retail (NAICS sector 44-45) and in the bottom quartile of the income distribution (incomes approximately under \$27,000).
- **emp_retail_incmiddle**: Employment level for workers in retail (NAICS sector 44-45) and in the middle two quartiles of the income distribution (incomes approximately \$27,000 to \$60,000).
- **emp_retail_inchigh**: Employment level for workers in retail (NAICS sector 44-45) and in the top quartile of the income distribution (incomes approximately over \$60,000).
- **emp_s72**: Employment level for workers in accommodation and food services (NAICS sector 72).
- **emp_subset_unweighted_q1**: Employment level for workers in the bottom quartile of the income distribution (incomes approximately under \$27,000) in county x industry (2-digit NAICS code) cells with nonzero employment for all four income quartiles.
- **emp_subset_unweighted_q2**: Employment level for workers in the second quartile of the income distribution (incomes approximately \$27,000 to \$37,000) in county x industry (2-digit NAICS code) cells with nonzero employment for all four income quartiles.
- **emp_subset_unweighted_q3**: Employment level for workers in the third quartile of the income distribution (incomes approximately \$37,000 to \$60,000) in county x industry (2-digit NAICS code) cells with nonzero employment for all four income quartiles.
- **emp_subset_unweighted_q4**: Employment level for workers in the top quartile of the income distribution (incomes approximately over \$60,000) in county x industry (2-digit NAICS code) cells with nonzero employment for all four income quartiles.
- **emp_subset_reweighted_q1**: Employment level for workers in the bottom quartile of the income distribution (incomes approximately under \$27,000), reweighting to match the county x industry (2-digit NAICS code) distribution of workers in the top quartile of the income distribution.
- **emp_subset_reweighted_q2**: Employment level for workers in the bottom quartile of the income distribution (incomes approximately under \$27,000), reweighting to match the county x industry (2-digit NAICS code) distribution of workers in the top quartile of the income distribution.
- **emp_subset_reweighted_q3**: Employment level for workers in the bottom quartile of the income distribution (incomes approximately under \$27,000) in county x industry cells with nonzero employment for all four income quartiles, reweighting to match the county x industry (2-digit NAICS code) distribution of workers in the top quartile of the income distribution.
- **emp_advance**: Indicator (0 or 1) for whether employment data is a forecasted employment level based on timecard data from Kronos and employees on weekly paycycles from Paychex.
- **'emp_size_0'**: Employment level for workers at firms with less than or equal to 100 employees
- **'emp_size_100'**: Employment level for workers at firms with greater than 100 but less than or equal to 500 employees
- **'emp_size_500'**: Employment level for workers at firms with greater than 500 but less than or equal to 800 employees
- **'emp_size_800'**: Employment level for workers at firms with greater than 800 employees

3.6 UI Claims

Unemployment insurance claims data from the [Department of Labor](#) (national and state-level) and numerous individual state agencies (county-level).

- **initclaims_rate_regular**: Number of initial claims per 100 people in the 2019 labor force, Regular UI only
 - **initclaims_count_regular**: Count of initial claims, Regular UI only

- **initclaims_rate_pua**: Number of initial claims per 100 people in the 2019 labor force, PUA (Pandemic Unemployment Assistance) only
 - **initclaims_count_pua**: Count of initial claims, PUA (Pandemic Unemployment Assistance) only
- **initclaims_rate_combined**: Number of initial claims per 100 people in the 2019 labor force, combining Regular and PUA claims
 - **initclaims_count_combined**: Count of initial claims, combining Regular and PUA claims
- **contclaims_rate_regular**: Number of continued claims per 100 people in the 2019 labor force, Regular UI only
 - **contclaims_count_regular**: Count of continued claims, Regular UI only
- **contclaims_rate_pua**: Number of continued claims per 100 people in the 2019 labor force, PUA (Pandemic Unemployment Assistance) only
 - **contclaims_count_pua**: Count of continued claims, PUA (Pandemic Unemployment Assistance) only
- **contclaims_rate_peuc**: Number of continued claims per 100 people in the 2019 labor force, PEUC (Pandemic Emergency Unemployment Compensation) only
 - **contclaims_count_peuc**: Count of continued claims, PEUC (Pandemic Emergency Unemployment Compensation) only
- **contclaims_rate_combined**: Number of continued claims per 100 people in the 2019 labor force, combining Regular, PUA and PEUC claims
 - **contclaims_count_combined**: Count of continued claims, combining Regular, PUA and PEUC claims

3.7 Womply

Small business openings and revenue data from [Womply](#).

- **merchants_all**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020.
- **merchants_inchigh**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in high income (quartile 4 of median income) ZIP codes.
- **merchants_incmiddle**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in middle income (quartiles 2 & 3 of median income) ZIP codes.
- **merchants_inclow**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in low income (quartile 1 of median income) ZIP codes.
- **merchants_ss40**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in transportation (NAICS supersector 40).
- **merchants_ss60**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in professional and business services (NAICS supersector 60).
- **merchants_ss65**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in education and health services (NAICS supersector 65).
- **merchants_ss70**: Percent change in number of small businesses open calculated as a seven-day moving average seasonally adjusted and indexed to January 4-31 2020 in leisure and hospitality (NAICS supersector 70).
- **merchants_retail**: Percent change in number of small businesses open, calculated as a

seven-day moving average, seasonally adjusted, and indexed to January 4-31, 2020 in retail businesses (NAICS 2-digit codes 44-45).

- **merchants_food_accommodation**: Percent change in number of small businesses open, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31, 2020 in food and accommodation businesses (NAICS 2-digit code 72)
- **revenue_all**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020.
- **revenue_inchigh**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in high income (quartile 4 of median income) zipcodes.
- **revenue_incmiddle**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in middle income (quartiles 2 & 3 of median income) zipcodes.
- **revenue_inclow**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in low income (quartile 1 of median income) zipcodes.
- **revenue_ss40**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in transportation (NAICS supersector 40).
- **revenue_ss60**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in professional and business services (NAICS supersector 60).
- **revenue_ss65**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in education and health services (NAICS supersector 65).
- **revenue_ss70**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31 2020 in leisure and hospitality (NAICS supersector 70).
- **revenue_retail**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31, 2020 in retail businesses (NAICS 2-digit codes 44-45).
- **revenue_food_accommodation**: Percent change in net revenue for small businesses, calculated as a seven-day moving average, seasonally adjusted, and indexed to January 4-31, 2020 in food and accommodation businesses (NAICS 2-digit code 72).

Note at the County level, these variables are calculated on a weekly basis as a 6-day average of days Monday through Saturday. Omitting Sunday reduces the influence of imputations in small geographic areas, as discussed in the [data documentation](#).

3.8 Zearn

Online math learning data from [Zearn](#).

- **engagement**: Average level of students using platform relative to January 6-February 21 2020.
- **engagement_inclow**: Average level of students using platform relative to January 6-February 21 2020 for schools in the 25% of ZIP codes with the lowest median income.
- **engagement_incmiddle**: Average level of students using platform relative to January 6-February 21 2020 for schools in ZIP codes with median income between the 25th and 75th percentiles.
- **engagement_inchigh**: Average level of students using platform relative to January 6-February 21 2020 for schools in the 25% of ZIP codes with the highest median income.

- **badges:** Average level of students achievements earned (badges) on platform relative to January 6-February 21 2020.
- **badges_inclow:** Average level of students achievements earned (badges) on platform relative to January 6-February 21 2020 for schools in the 25% of ZIP codes with the lowest median income.
- **badges_incmiddle:** Average level of students achievements earned (badges) on platform relative to January 6-February 21 2020 for schools in ZIP codes with median income between the 25th and 75th percentiles.
- **badges_inchigh:** Average level of students achievements earned (badges) on platform relative to January 6-February 21 2020 for schools in the 25% of ZIP codes with the highest median income.

Note that for every variable listed here, there is a corresponding variable with the prefix **break_** (for example, **break_engagement**). During the period in which schools are on summer or winter break, we record the outcomes in these **break_** variables instead of the usual variables. These numbers are not displayed on the [Economic Tracker](#) because they do not reliably measure differences in student learning across geography and income groups when many schools are on break.

To ensure privacy, the results for some counties are masked. Where possible, masked county levels values are replaced by commuting zone means, as indicated by the **imputed_from_cz** variable. The masking criteria are explained in further detail in our [data documentation](#).

4 Policy Milestones

Key state-level policy dates relevant for changes in other series trends and values.

- **statename:** The name of the U.S. state
- **statefips:** 2-digit FIPS code of the U.S. state
- **schools_closed:** The date at which the state ordered all public K-12 schools statewide to physically close
- **nonessential_biz_closed:** The date on which the state government ordered all nonessential businesses to close
- **stayathome_start:** The date on which the state government told residents to stay home, save for excepted activities
- **regional_stayathome_end:** The date on which the state's order telling residents to stay home expired, was lifted, or relaxed for one or more regions in the state
- **statewide_stayathome_end:** The date on which the state's order telling residents to stay home expired, was lifted, or changed from mandatory to recommended. Either for the entire state all at once, or for the very last locality with a remaining stay at home order.
- **regional_biz_opened:** The date on which the state began reopening significant businesses (typically in-store retail or non-essential manufacturing) for one or more regions in the state
- **statewide_biz_opened:** The date on which the state began reopening significant businesses (typically in-store retail or non-essential manufacturing). Either for the entire state all at once, or for the very last locality which hadn't yet reopened any businesses.
- **regional_biz_reclosed:** The date on which the state began reclosing businesses (of any sector) that had been reopened previously for one or more regions in the state
- **statewide_biz_reclosed:** The date on which the state began reclosing businesses (of any sector) that had been reopened previously. Either for the entire state all at once, or for the very last locality which hadn't yet reclosed any businesses.
- **state_milestone#:** The dates on which the state enacted significant new policy milestones that go beyond the existing policy dates tracked. Examples include, ending a reclosure,

enacting a new regional reopening system, or issuing a stay-at-home advisory, or enacting an additional reclosure after a state's first. The column name suffix indicates both the chronological order of the milestones within the particular state and corresponds to the particular milestone type as indicated in the `description#` column.

- **description#:** A description of the policy action represented by the `state_milestone#` column with the same suffix number. For instance `state_milestone1` is described in `description1`.