

| Variable Name   | Variable Label  | Source  | Web Links   |
|---|---|---|---|
| Opioid Overdose Deaths: Rate 2018                                   | Deaths - Total Population - 2018 Age-Adjusted Rate per 100k Residents   | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| Drug Overdose Deaths: Rate 2018                                     | Deaths - Total Population - 2018 All Drug Overdose Age-Adjusted Rate per 100k Residents   | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| Opioid Overdose ED visits (excl heroin): Rate 2018                  | ED Visits - Total Population 2018 Opioid Overdose (excluding heroin): Age-Adjusted Rate per 100k Residents  | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| Heroin Overdose ED visits: Rate 2018                                | ED Visits: Total Population 2018 Heroin Overdose: Age-Adjusted Rate per 100k Residents  | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| Opioid Overdose Hospitalizations (excl heroin): Rate 2018           | Hospitalizations - Total Population 2018 Opioid Overdose (excluding heroin): Age-Adjusted Rate per 100k   | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| Heroin Overdose Hospitalizations: Rate 2018                         | Hospitalizations - Total Populations 2018 Heroin Overdose: Age-Adjusted Rate per 100k   | California Department of Public Health Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODdash/">https://discovery.cdph.ca.gov/CDIC/ODdash/</a>   |
| FQHC sites 2018 (count)   | Federally Qualified Health Center sites 2018  | California Primary Care Association - County Profile Annual Report  | <a href="https://www.cpcacpa.org/About/CHC_Data.aspx?WebsiteKey=4190cf54-8e68-4858-9a19-e7253d7d94e1">https://www.cpcacpa.org/About/CHC_Data.aspx?WebsiteKey=4190cf54-8e68-4858-9a19-e7253d7d94e1</a>   |
| FQHC physicians who obtained DATA waiver 2017 (count)               | Number physicians, on-site or with whom the health center has contracts, who had obtained a *DATA waiver to treat opioid use disorder with medications specifically approved by the FDA | Uniform Data System   | <a href="https://www.udsmapper.org/">https://www.udsmapper.org/</a>   |
| FQHC patients who received MAT 2017 (count)                         | Number of patients who received medication-assisted treatment for opioid use disorder from a physician with a DATA waiver working on behalf of the health center.                       | Uniform Data System   | <a href="https://www.udsmapper.org/">https://www.udsmapper.org/</a>   |
| Drug Medi-Cal Organized Delivery System in place                    | Drug Medi-Cal Organized Delivery system exists in county  | DHCS website  | <a href="https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx">https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx</a>   |
| Syringe exchange program in place                                   | MAT Syringe Exchange Program - Syringe Exchange Program exists in county  | CDPH website  | <a href="https://www.cdph.ca.gov/Programs/CID/DOA/Pages/OA_prev_s_ep.aspx">https://www.cdph.ca.gov/Programs/CID/DOA/Pages/OA_prev_s_ep.aspx</a>   |
| Mental Health Treatment Providers (count)                           | Number Mental Health Treatment centers  | SAMHSA treatment locator - SAMHSA website   | <a href="https://findtreatment.samhsa.gov/">https://findtreatment.samhsa.gov/</a>   |
| Substance Abuse Treatment Providers (count)                         | Number Substance Abuse Treatment Centers  | SAMHSA treatment locator - SAMHSA website   | <a href="https://findtreatment.samhsa.gov/">https://findtreatment.samhsa.gov/</a>   |
| Methadone Patients at Opioid Treatment programs                     | Methadone Patients at Opioid Treatment Programs per 100k population   | Substance Abuse and Mental Health Services Administration (SAMHSA) Opioid Treatment Program (OTP) directory (Calculated by Lisa Clemans-Cope, Marni Epstein, and DougWissoker of The Urban Institute) | <a href="https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed">https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed</a> |
| Buprenorphine-waivered prescribers with a 275-patient limit (count) | Number Buprenorphine-waivered prescribers with a 275-patient limit  | Substance Abuse and Mental Health Services Administration (SAMHSA) Opioid Treatment Program (OTP) directory (Calculated by Lisa Clemans-Cope, Marni Epstein, and DougWissoker of The Urban Institute) | <a href="https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed">https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed</a> |
| Buprenorphine-waivered prescribers with a 100-patient limit (count) | Number Buprenorphine-waivered prescribers with a 100-patient limit  | Substance Abuse and Mental Health Services Administration (SAMHSA) Opioid Treatment Program (OTP) directory (Calculated by Lisa Clemans-Cope, Marni Epstein, and DougWissoker of The Urban Institute) | <a href="https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed">https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed</a> |
| Buprenorphine-waivered prescribers with a 30-patient limit (count)  | Number Buprenorphine-waivered prescribers with a 30-patient limit   | Substance Abuse and Mental Health Services Administration (SAMHSA) Opioid Treatment Program (OTP) directory (Calculated by Lisa Clemans-Cope, Marni Epstein, and DougWissoker of The Urban Institute) | <a href="https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed">https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-oa-mat-and-estimates-how-many-additional-prescribers-are-needed</a> |

| Variable Name  | Variable Label  | Source  | Web Links   |
|--|---|---|---|
| Buprenorphine-Waivered prescribers (percent of)                          | Percent of Buprenorphine-waivered prescribers out of total prescribers in the county        | Substance Abuse and Mental Health Services Administration (SAMHSA) Opioid Treatment Program (OTP) directory (Calculated by Lisa Clemans-Cope, Marni Epstein, and DougWissoker of The Urban Institute) | <a href="https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-qa-mat-and-estimates-how-many-additional-prescribers-are-needed">https://www.urban.org/policy-centers/health-policy-center/projects/california-county-fact-sheets-treatment-gaps-opioid-agonist-medication-assisted-therapy-qa-mat-and-estimates-how-many-additional-prescribers-are-needed</a>   |
| Buprenorphine prescriptions 2017   | 2017 Buprenorphine Prescriptions by Prescriber Location: Age-Adjusted Rate per 1k residents | CDPH Opioid Overdose Surveillance Dashboard   | <a href="https://discovery.cdph.ca.gov/CDIC/ODDdash/">https://discovery.cdph.ca.gov/CDIC/ODDdash/</a>   |
| Certified Trauma_rural level (count)                                     | Number Certified Trauma_rural level   | California Emergency Medical Services Authority   | <a href="https://ems.ca.gov/trauma/">https://ems.ca.gov/trauma/</a>   |
| Certified Trauma_community level (count)                                 | Number Certified Trauma_community level   | California Emergency Medical Services Authority   | <a href="https://ems.ca.gov/trauma/">https://ems.ca.gov/trauma/</a>   |
| Certified Trauma_regional level (count)                                  | Number Certified Trauma_regional level  | California Emergency Medical Services Authority   | <a href="https://ems.ca.gov/trauma/">https://ems.ca.gov/trauma/</a>   |
| Certified Trauma_Total # centers Level (count)                           | Number Certified Trauma_Total # centers level   | California Emergency Medical Services Authority   | <a href="https://ems.ca.gov/trauma/">https://ems.ca.gov/trauma/</a>   |
| Neonatal Units in Hospitals - Intensive Level (count)                    | Number neonatal hospitals - intensive level   | American Hospital Association   | N/A   |
| Neonatal Units in Hospitals - Intermediate Level (count)                 | Number neonatal hospitals - intermediate level  | American Hospital Association   | N/A   |
| NICUs (count)  | Total number of NICUs   | DHCS website  | N/A   |
| NICU_Community level (count)   | Number NICU_Community level   | DHCS website  | <a href="https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicucommunity.aspx">https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicucommunity.aspx</a>   |
| NICU_Regional level (count)  | Number NICU_Regional level  | DHCS website  | <a href="https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicuregional.aspx">https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicuregional.aspx</a>   |
| NICU_Intermediate level (count)  | Number NICU_Intermediate level  | DHCS website  | <a href="https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicuintermediate.aspx">https://www.dhcs.ca.gov/services/ccs/scc/Pages/nicuintermediate.aspx</a>   |
| Hospitals (count)  | Number of Hospitals   | American Hospital Association   | <a href="https://oshpd.ca.gov/facility-finder/">https://oshpd.ca.gov/facility-finder/</a>   |
| Opioid Coalition in place  | Presence of Opioid Coalition in County  | California Opioid Safety Network website  | <a href="https://nogn.org/california">https://nogn.org/california</a>   |
| SAMHSA Number of Grantees-2018   | SAMHSA Number of Grantees-2018  | SAMHSA website  | <a href="https://www.samhsa.gov/grants-awards-by-state">https://www.samhsa.gov/grants-awards-by-state</a>   |
| SAMHSA Total Award -2018   | SAMHSA Total Award amount per County-2018   | SAMHSA website  | <a href="https://www.samhsa.gov/grants-awards-by-state">https://www.samhsa.gov/grants-awards-by-state</a>   |
| Pharmacies Hospital Inpatient (count)                                    | Number Pharmacies (Hospital Inpatient)  | CA State Board of Pharmacy  | <a href="https://search.dca.ca.gov/">https://search.dca.ca.gov/</a>   |
| Pharmacies Retail (count)  | Number Pharmacies (Retail)  | CA State Board of Pharmacy  | <a href="https://search.dca.ca.gov/">https://search.dca.ca.gov/</a>   |
| Pharmacies total (count)   | Total Number Pharmacies   | CA State Board of Pharmacy  | <a href="https://search.dca.ca.gov/">https://search.dca.ca.gov/</a>   |
| County has a Drug Medi-Cal Organized Delivery System contract            | County has a Drug MediCal Organized Delivery System contract                                | DHCS website  | <a href="https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx">https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx</a>   |
| County has a Drug Medi-Cal Organized Delivery System Implementation Plan | County has a Drug MediCal Organized Delivery System Implementation Plan                     | DHCS website  | <a href="https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx">https://www.dhcs.ca.gov/provgovpart/Pages/County-Implementation-Plans-.aspx</a>   |
| Pediatric intensive level hospitals (count)                              | Number pediatric intensive level hospitals  | DHCS website  | <a href="https://www.dhcs.ca.gov/services/ccs/scc/Pages/picu.aspx">https://www.dhcs.ca.gov/services/ccs/scc/Pages/picu.aspx</a>   |
| Neonatal Abstinence Syndrome (count)                                     | Number of Neonatal Abstinence Syndrome cases by County of Delivery: Hospital Location       | CMPQCC/ CPQCC Data Center   | <a href="https://www.hcup-us.ahrq.gov/faststats/NASServlet?radio-2=on&amp;location1=CA&amp;characteristic1=05C11&amp;location2=&amp;characteristic2=01C11&amp;expansionInfoState=hide&amp;dataTablesState=hide&amp;definitionsState=hide&amp;exportState=hide">https://www.hcup-us.ahrq.gov/faststats/NASServlet?radio-2=on&amp;location1=CA&amp;characteristic1=05C11&amp;location2=&amp;characteristic2=01C11&amp;expansionInfoState=hide&amp;dataTablesState=hide&amp;definitionsState=hide&amp;exportState=hide</a> |
| Neonatal Abstinence Syndrome (rate)                                      | Rate of Neonatal Abstinence Syndrome cases by County of Delivery: Hospital Location         | CMPQCC/ CPQCC Data Center   | <a href="https://www.hcup-us.ahrq.gov/faststats/NASServlet?radio-2=on&amp;location1=CA&amp;characteristic1=01C11&amp;location2=&amp;characteristic2=01C11&amp;expansionInfoState=hide&amp;dataTablesState=show&amp;definitionsState=hide&amp;exportState=hide">https://www.hcup-us.ahrq.gov/faststats/NASServlet?radio-2=on&amp;location1=CA&amp;characteristic1=01C11&amp;location2=&amp;characteristic2=01C11&amp;expansionInfoState=hide&amp;dataTablesState=show&amp;definitionsState=hide&amp;exportState=hide</a> |
| Poverty rate (%)   | Percent below poverty level; Estimate; Population for whom poverty status is determined     | American Community Survey 5-Year Estimates  | <a href="data.census.gov">data.census.gov</a>   |
| Unemployment rate (%)  | Unemployment rate; Estimate; Population 16 years and over                                   | American Community Survey 5-Year Estimates  | <a href="data.census.gov">data.census.gov</a>   |

| Variable Name  | Variable Label   | Source                                     | Web Links   |
|--|--|--|---|
| Bachelor's degree or higher (%)                                | Percent; Estimate; Percent bachelor's degree or higher         | American Community Survey 5-Year Estimates | <a href="http://data.census.gov">data.census.gov</a>  |
| Hispanic or Latino (%)   | Percent Hispanic or Latino                                     | American Community Survey 5-Year Estimates | <a href="http://data.census.gov">data.census.gov</a>  |
| White (%)  | Percent White alone  | American Community Survey 5-Year Estimates | <a href="http://data.census.gov">data.census.gov</a>  |
| Black or African American (%)                                  | Percent Black or African American alone                        | American Community Survey 5-Year Estimates | <a href="http://data.census.gov">data.census.gov</a>  |
| Population covered by Medi-Cal, percent                        | Population covered by Medi-Cal, percent                        | DHCS website                               | <a href="https://www.dhcs.ca.gov/dataandstats/reports">https://www.dhcs.ca.gov/dataandstats/reports</a> |
| Transitions of Care program in place                           | Transitions of Care program in place                           | HMA  | N/A   |
| Perinatal MAT program in place                                 | Perinatal MAT program in place                                 | HMA  | N/A   |
| Total Buprenorphine Providers                                  | Total Buprenorphine Providers                                  | Contract Agreement with DEA                | N/A   |
| Buprenorphine Providers per 100k                               | Buprenorphine Providers per 100k                               | Contract Agreement with DEA                | N/A   |
| CA Bridge: EDs and Hospitals in place                          | CA Bridge EDs and Hospitals in place                           | Data request from partners                 | <a href="https://www.bridgetotreatment.org/">https://www.bridgetotreatment.org/</a>                     |
| Hub and spoke Program in place                                 | Hub and spoke Program in place                                 | Data request from partners                 | <a href="http://www.uclaisap.org/ca-hubandspoke/">http://www.uclaisap.org/ca-hubandspoke/</a>           |
| Jail-Based MAT program in place                                | Jail-Based MAT program in place                                | HMA  | N/A   |
| County Population (original)                                   | Total Population   | American Community Survey 5-Year Estimates | <a href="http://data.census.gov">data.census.gov</a>  |
| Addiction Treatment Starts Here: Primary Care program in place | Addiction Treatment Starts Here: Primary Care program in place | Data request from partners                 | N/A   |
| Buprenorphine Providers (2020)                                 | Buprenorphine Providers (2020)                                 | Contract Agreement with DEA                | N/A   |