# APPENDIX: METHODOLOGICAL DETAILS

In this study, we compared prices in California hospitals in 2018 to prices in 2012 in order to assess whether the changes are related to system membership. Following extensive literature, we use the American Hospital Association's Annual Survey over the study window 2012 to 2018. Specifically, we identify hospitals located in California based on the variable mutate, limiting data to nonfederal facilities (variable cntrl < 40) providing general medical and surgical care (variable serv = 10).

We linked these hospitals to Hospital Annual Financial Data from California's Office of Statewide Health Planning and Development (OSHPD). Linkage is based on hospital name (fac\_name for OSHPD and mname for AHA) and location (county for OSHPD and mloccity for AHA). Where AHA combined facilities under a single AHA identifier (variable id) but OSHPD assigned distinct identifiers (variable oshpd\_id), we treat the facilities as distinct members of a system.<sup>a</sup>

In the OSHPD data, we exclude hospitals whose names indicated specialty care based on the following strings: special, cancer, ortho, surg, maternity and child.<sup>b</sup> We do not exclude one hospital (Scripps Memorial Hospital with OSHPD ID 370771) whose type of care was reported to be specialty in one year but general in six years (based on the variable type\_care). A web search did not indicate that this hospital was specialized. We also exclude facilities operated by Kindred Healthcare, which provides specialty care.<sup>c</sup>

All analyses are necessarily limited to hospitals that operated and reported financial and utilization data in both 2012 and 2018. A sensitivity analysis excludes hospitals whose status changed in terms of system affiliation (including movements from one system to another<sup>d</sup>). This analysis excludes hospitals that were affiliated with systems in 2018

that were not systems in 2012.

We identify for-profit ownership of hospitals based on the OSHPD variable type\_cntrl = "Investor." Where during the study period (2012 to 2018) for-profit ownership was reported to have changed (from for profit to other or vice versa) in 2013 or later and then changed back in the subsequent year, we treat the reported changes as a reporting error. For example, Garfield Medical Center (OSHPD ID 190315) was reported to be for profit in 2013, non-profit in 2014 and for profit again in 2015.

Table 1 in the white paper reports hospital systems operating in California as of 2018, excluding Kaiser Permanente hospitals (for which financial data were not available). The hospitals affiliated with these systems (identified in Appendix Table 1) represent all California hospitals that belonged to a system over the study window, with the exception of one small hospital that closed. Specifically, Fallbrook Hospital (OSHPD ID 370705) belonged to Community Health Systems, which divested some of its hospitals (including all of its California facilities) into the new system Quorum Health.

Changes are weighted by the number of private discharges in 2018, whether by system or system type. Specifically, we combine "traditional" and managed-care discharges whose expected source of payment was "third party" (variables dis\_thrd\_tr and dis\_thrd\_mc, respectively). This group includes employer-sponsored health plans, as well as other sources of third-party coverage (e.g., workers' compensation).

For risk adjustment, we use a fixed set of DRG weights—specifically, version 33.0 for fiscal year 2016. For each hospital in each year, price per discharge is divided by the value of the case-mix index for that hospital in that year.

a. Citrus Valley Medical Center in AHA (OSHPD ID 6930689) corresponded to Citrus Valley Medical Center—QV Campus (OSHPD ID 190636) and Citrus Valley Medical Center—IC Campus (OSHPD ID 190413). Footbill Presbyterian Hospital (OSHPD ID 190298) was also a member of this system in 2018.

b. The exception to this exclusion is UCLA Medical Center and Orthopaedic Hospital (OSHPD ID 190687).

c. https://www.kindredhealthcare.com.

d. For example, the hospitals affiliated with Quorum Health in 2018 were previously affiliated with Community Health Systems.

e. As an example, Alecto Healthcare Services had two hospitals. Rather than simply averaging the percentage change in prices for these hospitals, we weighted each change by the number of private discharges in 2018. We calculated median changes similarly.

#### Appendix Table 1: Hospital Systems in California in 2018

Notes: "Missing" refers to 2018 financial report. \* refers to private discharges in 2018.

\*\* NO indicates a hospital belonged to a system but data on price growth was not available.

\*\*\* YES indicates opening, closure or change in system affiliation (including movements from one system to another).

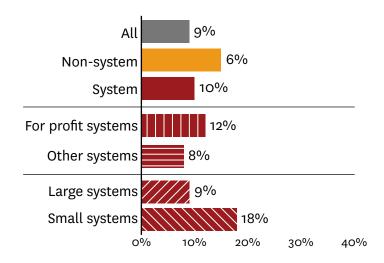
| System                        | OSHPD<br>ID      | Name  | County E                   | Discharges*  | Main<br>exhibits* | Status<br>* change*** |
|-------------------------------|------------------|---|----------------------------|--------------|-------------------|-----------------------|
| Adventist                     | 40875            | Adventist Health Feather River  | Butte                      | 242          | Yes               | No                    |
| Health                        | 100797           | Adventist Health Reedley  | Fresno                     | 215          | Yes               | No                    |
|                               | 150788           | Adventist Health Bakersfield  | Kern                       | 4878         | Yes               | No                    |
|                               | 150808           | Adventist Health Tehachapi Valley   | Kern                       | 25           | Yes               | No                    |
|                               | 164029           | Adventist Health Hanford  | Kings                      | 1456         | Yes               | No                    |
|                               | 171049           | Adventist Health Clearlake  | Lake                       | 119          | Yes               | No                    |
|                               | 190323           | Adventist Health Glendale   | Los Angeles                | 2874         | Yes               | No                    |
|                               | 190878           | Adventist Health White Memorial   | Los Angeles                | 1828         | Yes               | No                    |
|                               | 231396           | Adventist Health Ukiah Valley   | Mendocino                  | 576          | Yes               | No                    |
|                               | 234038           | Adventist Health Howard Memorial  | Mendocino                  | 220          | No                | Yes                   |
|                               | 281078           | Adventist Health St. Helena   | Napa                       | 930          | Yes               | No                    |
|                               | 390923           | Adventist Health Lodi Memorial  | San Joaquin                | 1257         | Yes               | Yes                   |
|                               | 554011           | Adventist Health Sonora - Greenley  | Tuolumne                   | 844          | Yes               | No                    |
|                               | 560525           | Adventist Health Simi Valley  | Ventura<br>Yuba            | 1345         | Yes<br>Yes        | No                    |
|                               | 580996           | Rideout Memorial Hospital   |                            | 1947         | Yes               | No<br>No              |
| AHMC                          | 190017           | Alhambra Hospital Medical Center  | Los Angeles                | 516          |                   |                       |
| Healthcare                    | 190200           | San Gabriel Valley Medical Center Garfield Medical Center                     | Los Angeles<br>Los Angeles | 1456<br>1126 | Yes<br>Yes        | No                    |
|                               | 190315           | Greater El Monte Community Hospital   |                            | 186          | Yes               | No                    |
|                               | 190352           | Monterey Park Hospital  | Los Angeles<br>Los Angeles |              |                   | No                    |
|                               | 190547<br>190883 | Whittier Hospital Medical Center  | Los Angeles                | 344          | Yes<br>Yes        | No<br>No              |
|                               |                  |   |                            | 1197         |                   |                       |
|                               | 301098           | AHMC Anaheim Regional Medical Center  | Orange<br>Riverside        | 1783         | Yes               | No                    |
|                               | 331293           | Parkview Community Hospital   | Alameda                    | 1304         | Yes<br>Yes        | No                    |
| Alameda                       | 10735            | Alameda Hospital<br>Highland Hospital   | Alameda                    | 177          | Yes               | Yes                   |
| Health System                 | 10846            |   |                            | 877          |                   | Yes                   |
| Alecto Healthcare             | 13619            | San Leandro Hospital St. Rose Hospital  | Alameda<br>Alameda         | 161<br>446   | Yes<br>Yes        | Yes<br>No             |
| Alecto Healthcare<br>Services | 10967            |   |                            |              |                   |                       |
|                               | 190534           | Olympia Medical Center  | Los Angeles                | 400          | Yes<br>Yes        | No<br>No              |
| Avanti                        | 190197           | Community Hospital Of Huntington Park   | Los Angeles                | 153          |                   | No                    |
| Hospitals                     | 190256           | East Los Angeles Doctor's Hospital  | Los Angeles                | 99           | Yes               | No                    |
|                               | 190521           | Memorial Hospital Of Gardena  | Los Angeles                | 357          | Yes               | No                    |
|                               | 190766           | Coast Plaza Hospital  | Los Angeles                | 232          | Yes               | No No                 |
| Banner Health                 | 184008           | Banner Lassen Medical Center  | Lassen                     | 298          | Yes               | No                    |
| Cedars-Sinai                  | 190422           | Torrance Memorial Medical Center  | Los Angeles                | 5104         | Yes               | Yes                   |
|                               | 190500           | Marina Del Rey Hospital   | Los Angeles                | 1442         | Yes               | Yes                   |
|                               | 190555           | Cedars-Sinai Medical Center   | Los Angeles                | 20854        | Yes<br>Yes        | Yes                   |
| Citrus Valley                 | 190298           | Emanate Health Foothill Presbyterian Hospital                                 | Los Angeles                | 1377         |                   | No                    |
| Health Part                   | 190413           | Emanate Health Inter-Community Hospital                                       | Los Angeles                | Missing      | No<br>Yes         | No<br>No              |
| Community                     | 190636           | Emanate Health Queen Of The Valley Hospital                                   | Los Angeles<br>Fresno      | 3426         | Yes               | No                    |
| Community                     | 100005           | Clovis Community Medical Center<br>Community Regional Medical Center - Fresno | Fresno                     | 5401         | Yes               | No                    |
| Med Centers                   | 100717           | Community Memorial Hospital Of  | Fresiio                    | 6314         | res               | NO                    |
| Community Memorial            | 560473           | San Buenaventura  | Vantura                    | 4000         | Voo               | No                    |
| Health System                 | F60F01           |   | Ventura                    | 4098         | Yes               | No                    |
|                               | 560501           | Ojai Valley Community Hospital  | Ventura                    | 43           | Yes               | No                    |
| Cottage                       | 420483           | Goleta Valley Cottage Hospital Santa Barbara Cottage Hospital                 | Santa Barbar               |              | Yes               | No                    |
| Health                        | 420514           | Santa Ynez Valley Cottage Hospital  | Santa Barbar               |              | Yes               | No                    |
|                               | 420522           | Mark Twain Medical Center   | Santa Barbar               |              | Yes<br>Yes        | No<br>No              |
| Dignity                       | 50932            | Bakersfield Memorial Hospital   | Calaveras                  | 122          | Yes               | No                    |
| Health                        | 150722           | Mercy Hospital - Bakersfield  | Kern                       | 2756         |                   | No<br>No              |
|                               | 150761           | St. Mary Medical Center - Long Beach  | Kern<br>Los Angeles        | 5200<br>1128 | Yes<br>Yes        | No<br>No              |
|                               | 190053           | California Hospital Medical Center  | Los Angeles                |              |                   | No                    |
|                               | 190125           | Glendale Memorial Hospital And Health Center                                  |                            | 963          | Yes<br>Yes        | No                    |
|                               | 190522           | Northridge Hospital Medical Center  | Los Angeles<br>Los Angeles | 892          | Yes               | No                    |
|                               | 190568           | Mercy Medical Center - Merced   |                            | 3293         |                   |                       |
|                               | 240942           | Sierra Nevada Memorial Hospital   | Merced<br>Nevada           | 1907         | Yes<br>Yes        | No<br>No              |
|                               | 291023           | •   |                            | 754          |                   | No                    |
|                               | 340947           | Mercy General Hospital Mercy San Juan Hospital                                | Sacramento                 | 2793         | Yes               | No<br>No              |
|                               | 340950           | J   | Sacramento                 | 3046         | Yes               | No                    |
|                               | 340951           | Methodist Hospital - Sacramento   | Sacramento                 | 1329         | Yes               | No<br>No              |
|                               | 344029           | Mercy Hospital - Folsom   | Sacramento                 | 1922         | Yes               | No                    |
|                               | 361323           | Community Hospital Of San Bernardino  | San Bernardi               | •            | Yes               | No                    |
|                               | 361339           | St. Bernardine Medical Center   | San Bernardi               |              | Yes               | No                    |
|                               | 380960           | St. Francis Memorial Hospital   | San Francisc               |              | Yes               | No                    |
|                               | 380965           | St. Mary's Medical Center - San Francisco                                     | San Francisc               | 0 1076       | Yes               | No                    |

| Dignity Health    | 391042<br>400466<br>400480 | St. Joseph's Medical Center Of Stockton                              | San Joaquin                | 4080         | Yes        | No         |
|-------------------|----------------------------|--|----------------------------|--------------|------------|------------|
| Dignity Health    | 400466                     |  |                            |              |            |            |
|                   |                            | Marian Regional Medical Center, Arroyo Grande                        | San Luis Obispo            | Missing      | No         | No         |
|                   | 400400                     | French Hospital Medical Center                                       |                            |              |            |            |
|                   |                            | - San Luis Obispo  | San Luis Obispo            | 1276         | Yes        | No         |
|                   | 410891                     | Sequoia Hospital   | San Mateo                  | 3378         | Yes        | No         |
|                   | 420493                     | Marian Medical Center  | Santa Barbara              | 2921         | Yes        | No         |
|                   | 440755                     | Dominican Hospital   | Santa Cruz                 | 2378         | Yes        | No         |
|                   | 450949                     | Mercy Medical Center - Redding                                       | Shasta                     | 2935         | Yes        | No         |
|                   | 470871                     | Mercy Medical Center Mt. Shasta                                      | Siskiyou                   | 202          | Yes        | No         |
|                   | 500967                     | Oak Valley District Hospital   | Stanislaus                 | 119          | Yes        | Yes        |
|                   | 521041                     | St. Elizabeth Community Hospital                                     | Tehama                     | 508          | Yes        | No         |
|                   | 560508                     | St. John's Pleasant Valley Hospital                                  | Ventura                    | 439          | Yes        | No         |
|                   | 560529                     | St. John's Regional Medical Center                                   | Ventura                    | 2834         | Yes        | No         |
|                   | 571086                     | Woodland Memorial Hospital   | Yolo                       | 1114         | Yes        | No         |
| HCA Healthcare    | 331312                     | Riverside Community Hospital   | Riverside                  | 4636         | Yes        | No         |
|                   | 430705                     | Regional Medical Center of San Jose                                  | Santa Clara                | 1975         | Yes        | No         |
|                   | 430779                     | Good Samaritan Hospital - San Jose                                   | Santa Clara                | 8023         | Yes        | No         |
|                   | 560492                     | Los Robles Hospital And Medical Center                               | Ventura Casta              | 5667         | Yes        | No         |
| John Muir Health  | 70988                      | John Muir Medical Center - Walnut Creek                              | Contra Costa               | 6822         | Yes        | No         |
| WI-MI' '          | 71018                      | John Muir Medical Center - Concord Campus                            | Contra Costa               | 1484         | Yes        | No         |
| Keck Medicine     | 190818                     | USC Verdugo Hills Hospital   | Los Angeles                | 2306         | Yes        | Yes        |
| of USC            | 194219                     | Keck Hospital of USC   | Los Angeles                | 4169         | Yes        | Yes        |
| KPC Health        | 301140                     | Chapman Global Medical Center  | Orange                     | 644          | Yes        | No         |
|                   | 301258                     | South Coast Global Medical Center                                    | Orange                     | 159          | Yes        | No         |
|                   | 301566                     | Orange County Global Medical Center                                  | Orange                     | 1430         | Yes        | No         |
| Loma Linda        | 334589                     | Loma Linda University Medical Center - Murrieta                      |                            | 2130         | Yes        | No         |
| University Health | 361246                     | Loma Linda University Medical Center                                 | San Bernardino             | 5272         | Yes        | No         |
| LA County DHS     | 191227                     | LAC/Harbor - UCLA Medical Center                                     | Los Angeles                | 1934         | Yes        | No         |
|                   | 191228                     | LAC/USC Medical Center   | Los Angeles                | 3190         | Yes        | No         |
|                   | 191231                     | LAC/Olive View - UCLA Medical Center                                 | Los Angeles                | 1260         | Yes        | No         |
| MemorialCare      | 190475                     | Community Hospital Long Beach  | Los Angeles                | 824          | No         | No         |
|                   | 190525                     | MemorialCare Long Beach Medical Center                               | Los Angeles                | 4893         | Yes        | No<br>No   |
|                   | 300225                     | Orange Coast Memorial Medical Center                                 | Orange                     | 4054         | Yes        |            |
|                   | 301317                     | MemorialCare Saddleback Medical Center St. Francis Medical Center    | Orange                     | 4808         | Yes<br>Yes | No         |
| NantWorks         | 190754<br>190762           | St. Vincent Medical Center   | Los Angeles<br>Los Angeles | 1841         | Yes        | Yes<br>Yes |
|                   |                            | Seton Medical Center   | San Mateo                  | 1203         | Yes        |            |
|                   | 410817                     | O'Connor Hospital  | Santa Clara                | 1842<br>2464 | Yes        | Yes<br>Yes |
|                   | 430837                     | St. Louise Regional Hospital   |                            |              | Yes        | Yes        |
|                   | 434138                     | Palomar Health Downtown Campus                                       | Santa Clara<br>San Diego   | 712          | Yes        | No         |
| Palomar Health    | 370755                     | Pomerado Hospital  |                            | 6603         | Yes        | No         |
| Dhuaisiana fau    | 370977                     | Hemet Valley Medical Center  | San Diego<br>Riverside     | 1788<br>986  | Yes        | No         |
| Physicians for    | 331194                     | Menifee Valley Medical Center  | Riverside                  | 884          | Yes        | No         |
| Healthy Hospitals | 334018                     |  |                            |              |            |            |
| PIH Health        | 190243<br>190631           | Prin Hospital - Downey Presbyterian Intercommunity Hospital          | Los Angeles<br>Los Angeles | 1536<br>4692 | Yes<br>Yes | Yes<br>Yes |
|                   | 190031                     | Centinela Hospital Medical Center                                    | Los Angeles                | 1091         | Yes        | No         |
| Prime Healthcare  | 190148                     | San Dimas Community Hospital   | Los Angeles                | 956          | Yes        | No         |
|                   | 301283                     | Garden Grove Hospital and Medical Center                             | Orange                     | 293          | Yes        | No         |
|                   | 301203                     | West Anaheim Medical Center  | Orange                     | 293<br>574   | Yes        | No         |
|                   | 370652                     | Alvarado Hospital  | San Diego                  | 1306         | Yes        | No         |
|                   | 370759                     | Paradise Valley Hospital   | San Diego                  | 451          | Yes        | No         |
|                   | 450940                     | Shasta Regional Medical Center                                       | Shasta                     | 689          | Yes        | No         |
|                   | 190280                     | Encino Hospital Medical Center                                       | Los Angeles                | 1717         | Yes        | Yes        |
| Prime Healthcare  | 190328                     | Glendora Community Hospital  | Los Angeles                | 60           | Yes        | Yes        |
| Foundation        | 190320                     | Sherman Oaks Hospital  | Los Angeles                | 442          | Yes        | Yes        |
|                   | 301209                     | Huntington Beach Hospital  | Orange                     | 406          | Yes        | Yes        |
|                   | 301234                     | La Palma Intercommunity Hospital                                     | Orange                     | 329          | Yes        | Yes        |
|                   | 361166                     | Montclair Hospital Medical Center                                    | San Bernardino             | 220          | Yes        | Yes        |
| Dugge of Madia-1  | 190110                     | Southern California Hospital at Culver City                          | Los Angeles                | Missing      | No         | Yes        |
| Prospect Medical  | 190110                     | Los Angeles Community Hospital                                       | Los Angeles                | 317          | Yes        | Yes        |
|                   |                            |  |                            |              | Yes        | Yes        |
| Holdings          | 100280                     |  |                            |              |            |            |
| Holdings          | 190380                     | Southern California Hospital at Hollywood  Redwood Memorial Hospital | Los Angeles Humboldt       | 1500         |            |            |
|                   | 190380<br>121051<br>121080 | Redwood Memorial Hospital St. Joseph Hospital - Eureka               | Humboldt<br>Humboldt       | 181<br>1153  | Yes<br>Yes | Yes        |

| System                        | OSHPD<br>ID      | Name  | County Disch                | arges*          | Main<br>exhibits** | Status<br>change* |
|-------------------------------|------------------|---|-----------------------------|-----------------|--------------------|-------------------|
| Providence                    | 190470           | Providence Little Company Of Mary MC - Torrance   | Los Angeles                 | 5804            | Yes                | No                |
| Health                        | 190517           | Providence Tarzana Medical Center   | Los Angeles                 | 4437            | Yes                | No                |
|                               | 190680           |   | Los Angeles                 | 1536            | Yes                | No                |
|                               | 190756           |   | Los Angeles                 | 4813            | Yes                | Yes               |
|                               | 190758           | Providence St. Joseph Medical Center  | Los Angeles                 | 4286            | Yes                | No                |
|                               | 281047           | Queen of The Valley Medical Center  | Napa                        | 1405            | Yes                | Yes               |
|                               | 301205<br>301262 | Hoag Memorial Hospital Presbyterian Mission Hospital Regional Medical Center                                | Orange                      | 10416           | Yes<br>Yes         | Yes<br>Yes        |
|                               | •                | Mission Hospital Laguna Beach   | Orange M                    | 6744<br>lissing | No                 | Yes               |
|                               | 301337<br>301340 | St. Joseph Hospital - Orange  | Orange                      | 6957            | Yes                | Yes               |
|                               | 301340           | St. Jude Medical Center   | Orange                      | 4800            | Yes                | Yes               |
|                               | 361343           | St. Mary Medical Center - Apple Valley  | San Bernardino              | 2189            | Yes                | Yes               |
|                               | 491001           | Petaluma Valley Hospital  | Sonoma                      | 367             | Yes                | Yes               |
|                               | 491064           |   | Sonoma                      | 2101            | Yes                | Yes               |
| Quorum Health                 | 364430           | Barstow Community Hospital  | San Bernardino              | 312             | No                 | Yes               |
| Quorum moutem                 | 370705           | Fallbrook Hospital District   | San Diego                   | 0               | No                 | Yes               |
|                               | 444013           | Watsonville Community Hospital  | Santa Cruz                  | 530             | Yes                | Yes               |
|                               | 370744           | Scripps Mercy Hospital  | San Diego                   | 5584            | Yes                | No                |
| Scripps Health                | 370771           | Scripps Memorial Hospital - La Jolla  | San Diego                   | 8393            | Yes                | No                |
|                               | 371394           | Scripps Memorial Hospital - Encinitas   | San Diego                   | 4301            | Yes                | No                |
| Sharp HealthCare              |                  | Sharp Coronado Hospital And Healthcare Center   | San Diego                   | 631             | Yes                | No                |
|                               | 370694           | Sharp Memorial Hospital   |                             | 14240           | Yes                | No                |
|                               | 370714           | Sharp Grossmont Hospital  | San Diego                   | 4095            | Yes                | No                |
|                               | 370875           | Sharp Chula Vista Medical Center  | San Diego                   | 2501            | Yes                | No                |
| Stanford Health               | 14050            | Valleycare Medical Center   | Alameda                     | 2542            | Yes                | Yes               |
| Care                          | 430905           | Stanford University Hospital  | Santa Clara                 | 9593            | Yes                | No                |
| Sutter Health                 | 10739            | Alta Bates Summit Medical Center - Alta Bates Campus<br>Alta Bates Summit Medical Center - Summit Hawthorne | Alameda                     | 5400            | Yes                | No                |
|                               | 10937            | Eden Medical Center   | Alameda                     | 2036            | Yes<br>No          | No<br>No          |
|                               | 14233            | Sutter Amador Hospital  | Anador                      | 2046            | Yes                | No                |
|                               | 34002            | Sutter Delta Medical Center   | Contra Costa                | 396             | Yes                | No                |
|                               | 70934<br>84001   | Sutter Coast Hospital   | Del Norte                   | 1159<br>370     | Yes                | No                |
|                               | 171395           | Sutter Lakeside Hospital  | Lake                        | 246             | Yes                | No                |
|                               | 214034           | Novato Community Hospital   | Marin                       | 319             | Yes                | No                |
|                               | 240924           | Memorial Hospital Los Banos   | Merced                      | 251             | Yes                | No                |
|                               | 310791           | Sutter Auburn Faith Hospital  | Placer                      | 433             | Yes                | No                |
|                               | 311000           | Sutter Roseville Medical Center   | Placer                      | 6594            | Yes                | No                |
|                               | 341051           | Sutter Medical Center - Sacramento  | Sacramento                  | 7755            | Yes                | No                |
|                               |                  | California Pacific Medical Center   | San Francisco               | 8943            | Yes                | No                |
|                               |                  | California Pacific Medical Center - St Lukes Campus   | San Francisco               | 358             | No                 | No                |
|                               | 391056           | Sutter Tracy Community Hospital   | San Joaquin                 | 1010            | Yes                | No                |
|                               | 410852           | Mills-Peninsula Medical Center  | San Mateo                   | 5305            | Yes                | No                |
|                               |                  | Sutter Solano Medical Center  | Solano                      | 597             | Yes                | No                |
|                               | 494106           |   | Sonoma                      | 1728            | No                 | No                |
|                               | 500939           | Memorial Hospital Modesto   | Stanislaus                  | 3941            | Yes                | No                |
|                               | 574010           | Sutter Davis Hospital   | Yolo                        | 1211            | Yes                | No                |
| Tahoe Forest<br>Health System | 291053           | Tahoe Forest Hospital   | Nevada                      | 598             | Yes                | No                |
| Tenet Healthcare              |                  | San Ramon Regional Medical Center   | Contra Costa                | 1984            | Yes                | No                |
|                               | 190240           | Lakewood Regional Medical Center  | Los Angeles                 | 1372            | Yes                | No                |
|                               | 301175           | Fountain Valley Regional Hospital And Mc - Euclid   | Orange                      | 2603            | Yes                | No                |
|                               | 301248           | Los Alamitos Medical Center   | Orange                      | 2348            | Yes                | No                |
|                               | 301297           | Placentia Linda Hospital  | Orange                      | 700             | Yes                | No                |
|                               | 331164           | Desert Regional Medical Center  | Riverside                   | 4430            | Yes                | No                |
|                               | 331216           | John F. Kennedy Memorial Hospital   | Riverside<br>San Bernardino | 834             | Yes                | No                |
|                               | 362041           | Hi-Desert Medical Center  |                             | 292             | Yes                | Yes               |
|                               | 392287           | Doctors Hospital Of Manteca   | San Juic Obieno             | 700             | Yes                | No                |
|                               |                  | Sierra Vista Regional Medical Center  | San Luis Obispo             |                 | Yes                | No                |
|                               |                  | Twin Cities Community Hospital  | San Luis Obispo             |                 | Yes                | No                |
|                               | 500852           | Doctors Medical Center - Modesto Emanuel Medical Center   | Stanislaus<br>Stanislaus    | 3961            | Yes                | No<br>Voc         |
| Trinity Haalth                |                  |   | Fresno                      | 1397            | Yes<br>Yes         | Yes<br>No         |
| Trinity Health                | 100899           | St. Agnes Medical Center Palmdale Regional Medical Center   | Los Angeles                 | 3961            |                    |                   |
| Universal Health              | 196405           | Dalmdala Dagianal Madical Contar  |                             | 1566            | Yes                | No                |

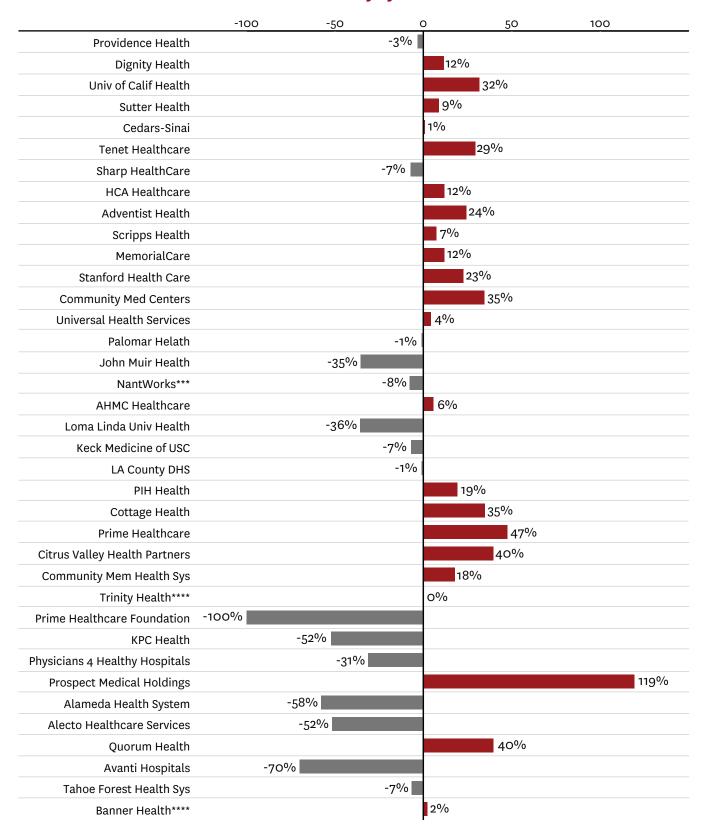
| System                             | OSHPD<br>ID | Name   | County       | Discharges* | Main<br>exhibits** | Status<br>change*** |
|------------------------------------|-------------|--|--------------|-------------|--------------------|---------------------|
| Universal Health<br>Services       | 334068      | Southwest Healthcare System - Murrieta                         | Riverside    | 4708        | Yes                | No                  |
|                                    | 334564      | Temecula Valley Hospital                                       | Riverside    | 2128        | No                 | No                  |
| University of<br>California Health | 190687      | Santa Monica - UCLA Medical Center and<br>Orthopaedic Hospital | Los Angeles  | 6149        | Yes                | No                  |
|                                    | 190796      | Ronald Reagan UCLA Medical Center                              | Los Angeles  | 9434        | Yes                | No                  |
|                                    | 301279      | University Of California Irvine Medical Center                 | Orange       | 6056        | Yes                | No                  |
|                                    | 341006      | University Of California Davis Medical Center                  | Sacramento   | 9420        | Yes                | No                  |
|                                    | 370782      | University Of California San Diego<br>Medical Center           | San Diego    | 7788        | Yes                | No                  |
|                                    | 381154      | UCSF Medical Center  | San Francisc |             | Yes                | No                  |

# Appendix Figure 1: Median Changes in Risk-Adjusted Price Per Private Discharge, 2012-2018, by System Status and Type of System



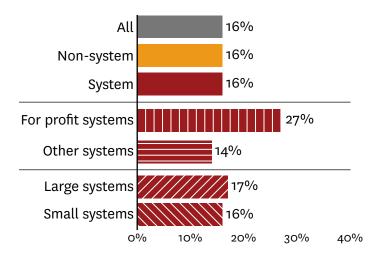
Note: Weighted by each hospital's number of private discharges in 2018. Changes are nominal (that is, not inflation adjusted). Large systems include hospitals with private discharges at or above 2018 median (n=7,402).

### Appendix Figure 2: Median Changes in Risk-Adjusted Price Per Private Discharge, 2012-2018, by System



Note: In decreasing order (left to right) of systemwide number of private discharges in 2018. Weighted by each hospital's number of private discharges in 2018. Changes are nominal (that is, not inflation adjusted).

## Appendix Figure 3: Changes in Average Risk-Adjusted Price Per Private Discharge, 2012-2018, by System Status, Excluding Hospitals That Changed System Affiliation



Note: Weighted by each hospital's number of private discharges in 2018. Changes are nominal (that is, not inflation adjusted). A change in system affiliation entailed a hospital joining a system, leaving a system or switching between systems. Large systems include hospitals with private discharges at or above 2018 median (n=7,402).