

**Potentially Preventable  
Readmissions  
in Texas**

**Calendar Year 2014 Report**

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**As Required by**

**Section 98.1046, Health and  
Safety Code**



**TEXAS**  
Health and Human  
Services

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Texas Department of  
State Health Services

**Department of State Health  
Services  
February 2018**

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# 1. Executive Summary

Public reporting of Potentially Preventable Readmissions (PPR) for non-exempt hospitals is required by the Texas Legislature under Health and Safety Code, Chapter [98.1046](#) (S.B. 7, 82<sup>nd</sup> Legislature, First Called Session, 2011).

A PPR is a readmission (return hospitalization) to an acute care hospital following a prior acute care admission within a specified time interval, for a reason that is clinically related to the initial hospitalization.

PPRs are increasingly viewed as an indicator of healthcare quality, based on the expectation that PPRs could have been prevented with quality care during the initial admission, adequate post-discharge planning and follow-up, or improved coordination between inpatient and outpatient healthcare services.<sup>1</sup>

- In 2014, slightly over five percent (5.4%) of at-risk admissions in Texas hospitals were followed by one or more PPRs.
- Approximately 77.8% of Texas hospitals ( $n=323$ ) had a number of PPR chains\* that was lower than or equal to the expected number and 22.2% of hospitals ( $n=92$ ) had more PPR chains than expected.
- Approximately 53.0% of Texas hospitals ( $n=220$ ) had a number of PPR chains that was lower than or equal to the statewide average of 5.4 PPR chains per 100 at-risk admissions.
- Approximately 47.0% of hospitals ( $n=195$ ) had a higher number of PPR chains per 100 at-risk admissions than the statewide average.

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\*A PPR chain is a sequence of readmissions (PPR events) that are all clinically related to the same initial hospitalization.

## 2. Introduction

A Potentially Preventable Readmission (PPR) is a readmission (return hospitalization) to an acute care hospital following a prior acute care admission within a specified time interval, for a reason that is clinically related to the initial hospitalization.

The Department of State Health Services (DSHS) is required by Section [98.1046](#), Texas Health and Safety Code, to publicly report information on Texas hospitals regarding risk-adjusted outcome rates for PPRs. The outcome rates are determined by DSHS to be the most effective measures of quality and efficiency. In publishing the report, DSHS may not disclose the identity of a patient or health care professional.

PPRs are increasingly viewed as an indicator of healthcare quality, based on the expectation that PPRs could have been prevented with quality care during the initial admission, adequate post-discharge planning and follow-up, or improved coordination between inpatient and outpatient healthcare services.

## 3. Background

All initial hospital admissions are considered at risk for PPR, with the exception of transfer admissions, non-acute care admissions, and other admissions meeting the exclusion criteria listed in the 3M™ PPR Methodology. (See [Appendix B: Methods](#) for a list of exclusion criteria.)

A PPR chain is a sequence of readmissions (PPR events) that are all related to the same initial hospitalization. A PPR chain may contain an initial admission and only one PPR event (the most common situation) or may contain multiple PPR events following the initial admission.

The data presented in this report are based on a 30-day readmission interval, as defined by the 3M™ Methodology<sup>2</sup>. The first PPR to occur within a 30-day readmission interval opens a PPR chain. Once a PPR chain is opened, any subsequent PPRs that are clinically related to the initial admission are considered part of the chain, even if they occur beyond the 30-day window.

Factors that may influence the occurrence of PPRs include:

- Quality of care rendered during the initial hospital stay<sup>3</sup>
- Coordination between the inpatient and outpatient healthcare teams<sup>4</sup>
- Quality of medical care following discharge<sup>5</sup>
- Underlying health conditions that were not treated during the initial hospitalization<sup>6</sup>
- Preventable complications that developed after discharge

This report used the 3M™ PPR Methodology to identify admissions at risk for PPR. Statewide and hospital-specific PPRs were identified based on a 30-day readmission interval. Statewide aggregate statistics provided in this report include the total number of PPR chains and PPR events at the state level. Hospital-specific information, including actual and risk-adjusted PPR numbers, are reported as well. As per the 3M™ PPR Methodology, statewide

and hospital-specific PPR numbers were calculated using the number of PPR chains, rather than the number of PPR events ([Appendix B: Methods](#)).

Analyses were conducted using the *Texas Hospital Inpatient Discharge Research Data File, 2014* (Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015)<sup>7</sup> collected by the Texas Health Care Information Collection program (THCIC) overseen by DSHS. The underlying data were collected in accordance with [Chapter 108, Health and Safety Code \(HSC\)](#).

## 4. Results

### Calculation Method Overview

In 2014, a total of 2,947,191 admission records were captured from 637 hospitals in Texas. The records went through a series of steps to cleanse the data ([Appendix B: Methods](#)). After data cleansing and processing, 81.6% of the total records were included in the PPR analysis, which accounted for 2,405,193 records (i.e., inpatient admissions) from 415 hospitals.

This report used the 3M™ PPR Methodology to identify admissions at risk for PPR. The number of admissions at risk includes all initial admissions that are at risk for potentially preventable readmissions, excluding admissions meeting the criteria for exclusion as listed in the 3M PPR Methodology. Statewide and hospital-specific PPRs were identified based on a 30-day readmission interval. Statewide aggregate statistics provided in this report include the total number of PPR chains and PPR events at the state level. Hospital-specific information, including actual and risk-adjusted PPR numbers, are reported as well.

According to the 3M™ PPR methodology, the overall PPR summary statistic is expressed as a percentage (i.e., number of occurrences per 100 events), calculated by dividing the number of PPR chains by the number of admissions at risk and multiplying by 100.

In order to enable comparisons of performance across hospitals, hospital PPR results were risk-adjusted using 3M™ All Patient Refined Diagnosis-Related Groups (APR-DRGs), a diagnosis and procedure code classification system for inpatient services. This classification system is designed to reflect the clinical complexity and severity of each case. For each hospital, the actual-to-expected ratio was calculated as the actual number of PPR chains divided by the risk-adjusted number of PPR chains ([Appendix B: Methods](#)).

## Results Overview

Of the 2,405,193 inpatient admissions included in the 2014 PPR analysis, 1,989,311 were classified as admissions at risk for PPR by the 3M™ PPR methodology. Of these, a total of 107,769 PPR chains were identified, resulting in a statewide average of approximately 5.4 PPR chains per 100 at-risk admissions. Most of the 107,769 PPR chains comprised only one PPR event. However, the average number of PPR events per chain was 1.3, for a total of 138,015 PPR events.

[Table 1](#) shows the number and percent of hospitals grouped by actual-to-expected ratios. The categories used (e.g., “lower than expected,” “about as expected,” “higher than expected”) follow the methodology of the Texas Medicaid PPR reports<sup>8</sup>. In 2014, 415 hospitals were included in the statewide PPR analysis. Approximately 77.9% of hospitals ( $n=323$ ) performed about as expected or had fewer PPR chains than expected, whereas 22.1% of hospitals ( $n=92$ ) had more PPR chains than expected.

Among the 415 hospitals included in the analysis, 220 (53.0%) had a number of PPR chains per 100 at-risk admissions that was lower than or equal to the statewide average of 5.4, and 195 (47.0%) had a number of PPR chains per 100 at-risk admissions that was higher than the statewide average. Seventy-five percent of hospitals had fewer than 7.0 PPR chains per 100 at-risk admissions. (See [Appendix A: Table A1](#) for additional details.)

**Table 1: Number and Percentage of Hospitals by PPR Actual-to-Expected Ratio, Texas, 2014**

| <b>Actual-to-Expected Ratio</b> | <b>Actual-to-Expected Ratio Interpretation</b> | <b>Number of Hospitals</b> | <b>% of Hospitals</b> |
|---------------------------------|--|----------------------------|-----------------------|
| less than 0.75                  | Much lower than expected                       | 104                        | 25.1%                 |
| 0.75-0.89                       | Lower than expected                            | 71                         | 17.1%                 |
| 0.90-1.10                       | About as expected                              | 148                        | 35.6%                 |
| 1.11-1.25                       | Higher than expected                           | 58                         | 14.0%                 |
| more than 1.25                  | Much higher than expected                      | 34                         | 8.2%                  |
| <b>Total Hospitals</b>          |  | <b>415</b>                 | <b>100.0%</b>         |

Source: *Texas Hospital Inpatient Discharge Research Data File, 2014*. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015.

Detailed PPR performance indicators for each hospital are presented in [Appendix A: Table A2](#). In [Table A2](#), hospitals with fewer than 40 admissions at risk or fewer than 5 PPR chains were masked for some statistics to protect patient confidentiality under HSC Section [98.1046\(c\)](#).

[Appendix A: Figure A1](#) shows the distribution of Actual-to-Expected Ratios for Texas hospitals in 2014. As shown in [Figure A1](#), over 75% of hospitals had an Actual-to-Expected Ratio less than 1.1.

## 5. Conclusion

The 2014 Texas Hospital Inpatient Discharge Database was used for preparing the results presented in this report. Of the 1,989,311 at-risk-admissions identified in the database, 5.4% were followed by one or more PPRs.

The current findings are comparable to those from other published reports<sup>3,6,8</sup> and they suggest that PPRs continue to be prevalent. The reader should be aware that this report is cross sectional in nature, using only calendar year 2014 data. The number of PPRs and the PPR rate will vary from hospital to hospital and year by year, and the 3M™ methodology utilized in this report accounts for differences in severity of illness, age, and other patient characteristics that have a certain amount of predictability, thus providing a certain degree of comparability between facilities. However, other characteristics affecting patient outcomes are not accounted for, such as patient motivation and environmental or social factors, such as lifestyle, diet, and exercise.<sup>9</sup>

The Department of State Health Services will continue to calculate PPRs for Texas hospitals each year to enable comparisons over time, using the same methodology. The reader is advised to be aware that attempting any comparison of the PPR results in this report with those based on data from other states or national databases may not be valid or correct, due to potential differences in the way data are collected, prepared, and analyzed.

# List of Acronyms

| <b>Acronym</b> | <b>Full Name</b>                            |
|----------------|---|
| AIDS           | Acquired Immune Deficiency Syndrome         |
| APR-DRG        | All-Payer Refined - Diagnosis Related Group |
| CHS            | Center for Health Statistics                |
| CMS            | Centers for Medicare and Medicaid Services  |
| DSHS           | Department of State Health Services         |
| HIV            | Human Immunodeficiency Virus                |
| HSC            | Health and Safety Code                      |
| MH/SA          | Mental Health / Substance Abuse             |
| PPR            | Potentially Preventable Readmission         |
| RDF            | Research Data File                          |
| SOI            | Severity of Illness                         |
| THCIC          | Texas Health Care Information Collection    |

## Appendix A: Tables

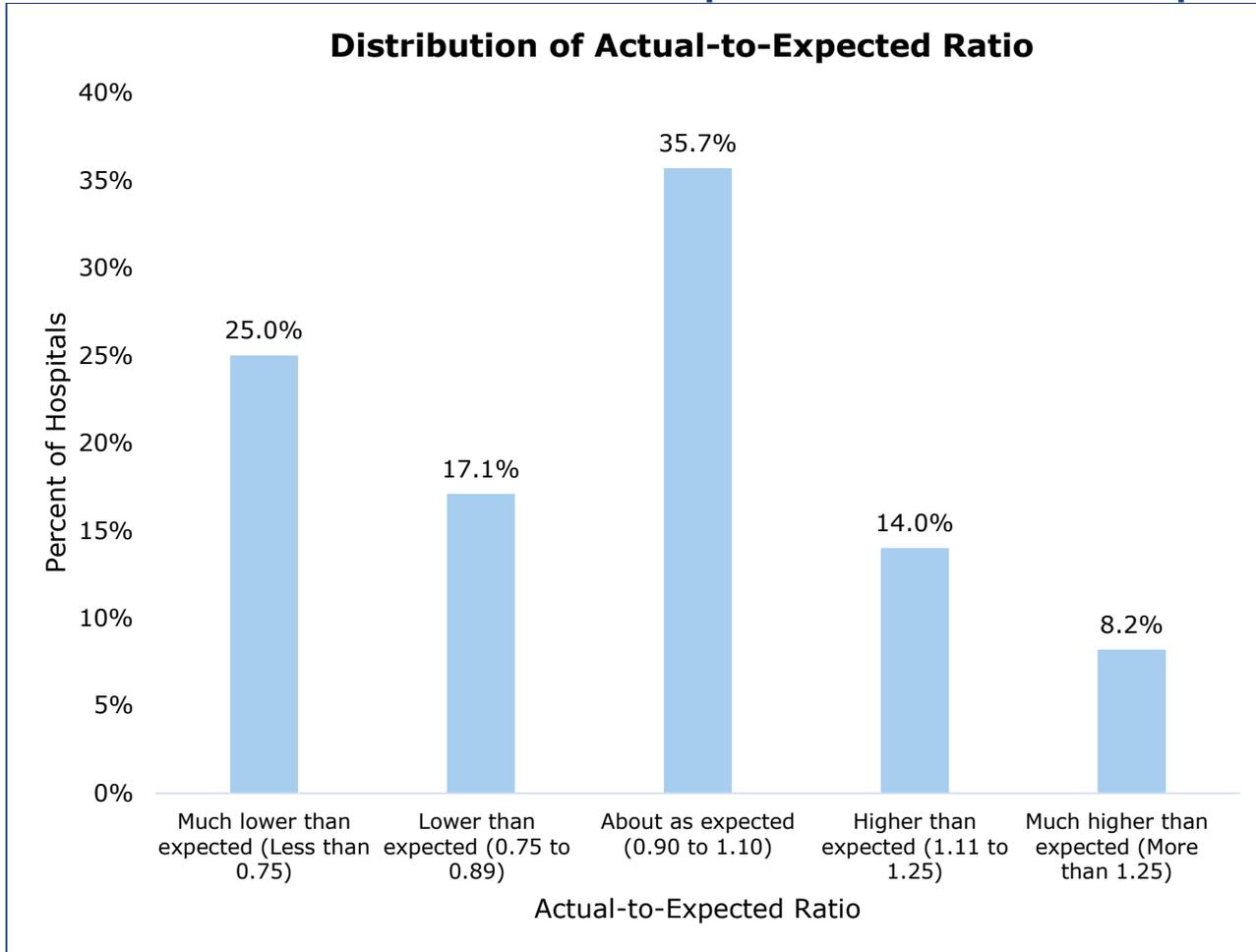
**Table A1: PPR Performance Indicators for Texas Hospitals, 2014**

| <b>Admissions at Risk</b> | <b>Actual PPR Chains</b> | <b>PPR Events</b> | <b>PPR Chains/<br/>100 At-risk Admissions</b> | <b>Actual-to-Expected Ratio</b> |
|---------------------------|--------------------------|-------------------|---|---------------------------------|
| <b>1,989,311</b>          | <b>107,769</b>           | <b>138,015</b>    | <b>5.4</b>                                    | <b>1.00</b>                     |

Source: *Texas Hospital Inpatient Discharge Research Data File, 2014*. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015.

Note: Table A1 shows statewide totals and/or averages for all indicators.

**Figure A1: Distribution of PPR Actual-to-Expected Ratio for Texas Hospitals, 2014**



Source: *Texas Hospital Inpatient Discharge Research Data File, 2014*. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015.

**Table A2: Hospital-Level PPR Performance Indicators and Actual-to-Expected Ratios, Texas, 2014**

Notes: (a). The number of initial admissions at risk for a PPR, excluding admissions meeting the criteria for exclusions as listed in the 3M PPR Methodology. (b). Admissions with one or more return admissions that are clinically related to a prior/initial admission, where the first readmission in the chain occurs within a 30-day interval. (c). Risk-adjusted PPR chains per 100 at-risk admissions. (d). The ratio of the actual PPRs to expected PPRs. To protect patient confidentiality, admissions-at-risk fewer than 40 and PPR chains fewer than 5 were masked [v].

| Hospital County | Metropolitan/ Micropolitan Statistical Area (MSA) | Hospital Name  | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/ 100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|---|--|----------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|---|
| <b>Anderson</b> | Palestine, TX                                     | Palestine Regional Medical Center                    | 629001   | 4,116                           | 282                            | 6.64                                | 1.02                                  | About as expected                       |
| <b>Angelina</b> | Lufkin, TX  | CHI St Lukes Health Memorial Lufkin                  | 129000   | 5,054                           | 296                            | 7.97                                | 0.68                                  | Much lower than expected                |
|                 |   | Woodland Heights Medical Center                      | 481000   | 4,718                           | 205                            | 5.46                                | 0.83                                  | Lower than expected                     |
| <b>Atascosa</b> | San Antonio-New Braunfels, TX                     | South Texas Regional Medical Center                  | 334002   | 1,271                           | 67                             | 5.41                                | 0.86                                  | Lower than expected                     |
| <b>Austin</b>   | Houston-The Woodlands-Sugar Land, TX              | CHI St Joseph Health Bellville Hospital              | 552000   | 104                             | 8                              | 6.56                                | 1.57                                  | Much higher than expected               |
| <b>Bastrop</b>  | Austin-Round Rock, TX                             | Seton Smithville Regional Hospital                   | 424500   | 197                             | 10                             | 8.71                                | 0.63                                  | Much lower than expected                |
| <b>Bee</b>      | Beeville, TX                                      | CHRISTUS Spohn Hospital-Beeville                     | 429001   | 1,808                           | 113                            | 5.77                                | 1.02                                  | About as expected                       |
| <b>Bell</b>     | Killeen-Temple, TX                                | Baylor Scott & White McLane Childrens Medical Center | 537006   | 1,808                           | 27                             | 4.49                                | 0.20                                  | Much lower than expected                |
|                 |   | Cedar Crest Hospital                                 | 806002   | 1,787                           | 192                            | 8.49                                | 1.13                                  | Higher than expected                    |
|                 |   | Metroplex Hospital                                   | 397001   | 5,339                           | 255                            | 5.05                                | 0.88                                  | Lower than expected                     |
|                 |   | Scott & White Medical Center Temple                  | 537000   | 15,986                          | 435                            | 7.18                                | 0.32                                  | Much lower than expected                |

| Hospital County                                 | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                 | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|---|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Bell</b>                                     | Killeen-Temple, TX   | Seton Medical Center Harker Heights           | 971000   | 3,284                           | 132                            | 4.80                                   | 0.78                                  | Lower than expected                     |
| <b>Bexar</b>                                    | San Antonio-New Braunfels, TX                              | Baptist Emergency Hospital Hausman            | 101100   | <i>lv</i>                       | <i>lv</i>                      | 3.26                                   | 0.79                                  | Lower than expected                     |
|   |  | Baptist Emergency Hospital Overlook           | 972810   | <i>lv</i>                       | <i>lv</i>                      | 4.17                                   | 1.65                                  | Much higher than expected               |
|   |  | Baptist Emergency Hospital Thousand Oaks      | 647000   | <i>lv</i>                       | <i>lv</i>                      | 3.44                                   | 2.01                                  | Much higher than expected               |
|   |  | Baptist Emergency Hospital Westover Hills     | 973000   | <i>lv</i>                       | <i>lv</i>                      | 4.21                                   | 0.33                                  | Much lower than expected                |
|   |  | Baptist Medical Center                        | 114001   | 13,708                          | 1,062                          | 7.66                                   | 0.99                                  | About as expected                       |
|   |  | CHRISTUS Santa Rosa Alamo Hts (open 6/2/14)   | 973930   | 203                             | 6                              | 3.81                                   | 0.70                                  | Much lower than expected                |
|   |  | CHRISTUS Santa Rosa Hospital-Westover Hills   | 339002   | 7,122                           | 407                            | 6.22                                   | 0.98                                  | About as expected                       |
|   |  | CHRISTUS Santa Rosa Medical Center            | 339001   | 3,190                           | 294                            | 8.99                                   | 0.96                                  | About as expected                       |
|   |  | CHRISTUS Santa Rosa Alamo Hts (closed 6/2/14) | 339003   | <i>lv</i>                       | <i>lv</i>                      | 4.26                                   | 0.80                                  | Lower than expected                     |
|   |  | Childrens Hospital of San Antonio             | 634000   | 3,636                           | 108                            | 3.53                                   | 0.85                                  | Lower than expected                     |
|   |  | Clarity Child Guidance Center                 | 737000   | 1,033                           | 121                            | 7.66                                   | 1.34                                  | Much higher than expected               |
|   |  | Forest Park Medical Center at San Antonio     | 974250   | <i>lv</i>                       | <i>lv</i>                      | 4.24                                   | 0.00                                  | Much lower than expected                |
|   |  | Foundation Surgical Hospital-San Antonio      | 852100   | 659                             | 24                             | 3.54                                   | 0.86                                  | Lower than expected                     |
| Methodist Ambulatory Surgery Hospital-Northwest | 681001   | 391   | 9        | 2.87                            | 0.71                           | Much lower than expected               |                                       |   |
| Methodist Hospital                              | 154000   | 29,259  | 1,320    | 4.76                            | 0.92                           | About as expected                      |                                       |   |

| Hospital County | Metropolitan/ Micropolitan Statistical Area (MSA) | Hospital Name                             | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/ 100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|---|---|----------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|---|
| <b>Bexar</b>    | San Antonio-New Braunfels, TX                     | Methodist Specialty & Transplant Hospital | 154001   | 6,228                           | 640                            | 9.28                                | 1.12                                  | Higher than expected                    |
|                 |   | Methodist Stone Oak Hospital              | 874100   | 8,847                           | 408                            | 4.70                                | 0.95                                  | About as expected                       |
|                 |   | Methodist Texsan Hospital                 | 154003   | 2,364                           | 173                            | 7.59                                | 0.88                                  | Lower than expected                     |
|                 |   | Metropolitan Methodist Hospital           | 283000   | 14,337                          | 634                            | 4.29                                | 0.99                                  | About as expected                       |
|                 |   | Mission Trail Baptist Hospital            | 081001   | 4,932                           | 393                            | 9.17                                | 0.90                                  | About as expected                       |
|                 |   | Nix Health Care System                    | 396002   | 6,558                           | 700                            | 10.40                               | 0.97                                  | About as expected                       |
|                 |   | North Central Baptist Hospital            | 677001   | 14,715                          | 473                            | 3.60                                | 0.86                                  | Lower than expected                     |
|                 |   | Northeast Baptist Hospital                | 134001   | 10,466                          | 676                            | 6.58                                | 0.93                                  | About as expected                       |
|                 |   | Northeast Methodist Hospital              | 154002   | 5,365                           | 429                            | 8.06                                | 1.04                                  | About as expected                       |
|                 |   | Select Specialty Hospital-San Antonio     | 719300   | 50                              | 7                              | 13.30                               | 0.89                                  | Lower than expected                     |
|                 |   | South Texas Spine & Surgical Hospital     | 786800   | 854                             | 34                             | 3.70                                | 1.05                                  | About as expected                       |
|                 |   | Southwest General Hospital                | 228001   | 7,475                           | 459                            | 5.33                                | 1.09                                  | About as expected                       |
|                 |   | St Lukes Baptist Hospital                 | 503001   | 13,074                          | 510                            | 3.92                                | 0.91                                  | About as expected                       |
|                 |   | University Hospital                       | 158000   | 18,676                          | 1,076                          | 6.17                                | 0.88                                  | Lower than expected                     |
|                 |   | Victory Medical Center Landmark           | 209100   | 421                             | 17                             | 4.19                                | 0.66                                  | Much lower than expected                |
|                 |   | Victory Medical Center Southcross         | 820600   | <i>lv</i>                       | <i>lv</i>                      | 5.03                                | 4.80                                  | Much higher than expected               |
| <b>Bowie</b>    | Texarkana, TX-AR                                  | CHRISTUS St Michael Health System         | 788001   | 10,330                          | 676                            | 6.67                                | 1.00                                  | About as expected                       |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                    | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-----------------|--|--|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Bowie</b>    | Texarkana, TX-<br>AR                                       | Wadley Regional Medical<br>Center                | 144000      | 6,088                                 | 321                                  | 5.52   | 1.06   | About as expected                              |
| <b>Brazoria</b> | Houston-The<br>Woodlands-<br>Sugar Land, TX                | CHI St Lukes Health<br>Brazosport                | 436000      | 3,834                                 | 248                                  | 5.80   | 1.07   | About as expected                              |
|                 |  | Sweeny Community<br>Hospital                     | 178000      | 136                                   | 15                                   | 9.87   | 0.70   | Much lower than<br>expected                    |
|                 |  | UTMB Angleton Danbury<br>Medical Center          | 126000      | 1,742                                 | 88                                   | 3.99   | 1.17   | Higher than<br>expected                        |
| <b>Brazos</b>   | College<br>Station-Bryan,<br>TX                            | Baylor Scott & White<br>Hospital College Station | 206100      | 3,237                                 | 49                                   | 4.29   | 0.28   | Much lower than<br>expected                    |
|                 |  | College Station Medical<br>Center                | 071000      | 5,028                                 | 215                                  | 4.22   | 1.00   | About as expected                              |
|                 |  | Physicians Centre<br>Hospital                    | 717500      | 277                                   | 8                                    | 3.52   | 0.63   | Much lower than<br>expected                    |
|                 |  | St Joseph Regional<br>Health Center              | 002001      | 11,450                                | 760                                  | 6.38   | 0.89   | Lower than<br>expected                         |
| <b>Brewster</b> | Not Available  | Big Bend Regional<br>Medical Center              | 711900      | 703                                   | 31                                   | 4.01   | 0.86   | Lower than<br>expected                         |
| <b>Brown</b>    | Brownwood, TX  | Brownwood Regional<br>Medical Center             | 058000      | 3,133                                 | 178                                  | 5.17   | 0.97   | About as expected                              |
| <b>Burleson</b> | College<br>Station-Bryan,<br>TX                            | Burleson St Joseph<br>Health Center-Caldwell     | 679000      | 70                                    | 5                                    | 7.40   | 0.69   | Much lower than<br>expected                    |
| <b>Burnet</b>   | Not Available  | Seton Highland Lakes<br>Hospital                 | 559000      | 776                                   | 62                                   | 7.31   | 0.98   | About as expected                              |
| <b>Caldwell</b> | Austin-Round<br>Rock, TX                                   | Seton Edgar B Davis<br>Hospital                  | 597000      | 453                                   | 39                                   | 7.84   | 0.89   | Lower than<br>expected                         |
| <b>Calhoun</b>  | Port Lavaca,<br>TX   | Memorial Medical Center                          | 487000      | 757                                   | 52                                   | 6.16   | 0.92   | About as expected                              |
| <b>Cameron</b>  | Brownsville-<br>Harlingen, TX                              | Harlingen Medical Center                         | 788002      | 4,440                                 | 218                                  | 5.84   | 0.90   | About as expected                              |
|                 |  | Valley Baptist Medical<br>Center                 | 400000      | 13,475                                | 771                                  | 5.39   | 1.10   | About as expected                              |

| Hospital County  | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                  | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|------------------|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Cameron</b>   | Brownsville-Harlingen, TX                                  | Valley Baptist Medical Center-Brownsville      | 314001   | 8,976                           | 524                            | 5.41                                   | 1.17                                  | Higher than expected                    |
|                  |  | Valley Regional Medical Center                 | 019000   | 9,280                           | 444                            | 4.10                                   | 1.22                                  | Higher than expected                    |
| <b>Camp</b>      | Not Available  | East Texas Medical Center-Pittsburg            | 438000   | 606                             | 47                             | 8.60                                   | 0.74                                  | Much lower than expected                |
| <b>Cass</b>      | Not Available  | Christus St Michael Hospital Atlanta           | 788003   | 463                             | 48                             | 10.10                                  | 1.09                                  | About as expected                       |
|                  |  | Good Shepherd Medical Center-Linden            | 822100   | <i>lv</i>                       | <i>lv</i>                      | 7.56                                   | 4.04                                  | Much higher than expected               |
| <b>Cherokee</b>  | Jacksonville, TX   | Christus Mother Frances Hospital-Jacksonville  | 725400   | 571                             | 52                             | 8.13                                   | 0.83                                  | Lower than expected                     |
|                  |  | East Texas Medical Center-Jacksonville         | 416000   | 1,722                           | 89                             | 4.40                                   | 1.24                                  | Higher than expected                    |
| <b>Childress</b> | Not Available  | Childress Regional Medical Center              | 026000   | 761                             | 11                             | 3.44                                   | 0.45                                  | Much lower than expected                |
| <b>Coleman</b>   | Not Available  | Coleman County Medical Center                  | 049000   | 459                             | 45                             | 6.04                                   | 1.59                                  | Much higher than expected               |
| <b>Collin</b>    | Dallas-Fort Worth-Arlington, TX                            | Baylor Emergency Medical Center at Murphy      | 973550   | <i>lv</i>                       | <i>lv</i>                      | 4.42                                   | 4.13                                  | Much higher than expected               |
|                  |  | Baylor Scott & White Medical Center Centennial | 806300   | 3,477                           | 165                            | 4.67                                   | 1.01                                  | About as expected                       |
|                  |  | Baylor Scott & White Medical Center McKinney   | 971900   | 6,101                           | 252                            | 3.81                                   | 1.04                                  | About as expected                       |
|                  |  | Baylor Scott & White Medical Center-Frisco     | 787400   | 6,237                           | 52                             | 1.38                                   | 0.55                                  | Much lower than expected                |
|                  |  | Baylor Scott & White Medical Center-Plano      | 814001   | 4,064                           | 298                            | 7.94                                   | 0.96                                  | About as expected                       |
|                  |  | Bush Renner                                    | 549001   | 4,323                           | 167                            | 4.18                                   | 0.91                                  | About as expected                       |

| Hospital County      | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                   | THCIC ID      | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|----------------------|--|---|---------------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Collin</b>        | Dallas-Fort Worth-Arlington, TX                            | Childrens Medical Center Plano                  | 143001        | 1,441                           | 58                             | 4.52                                   | 1.03                                  | About as expected                       |
|                      |  | Columbia Medical Center-McKinney                | 246000        | 6,924                           | 556                            | 7.17                                   | 1.07                                  | About as expected                       |
|                      |  | Forest Park Medical Center Frisco               | 971800        | 504                             | 15                             | 4.46                                   | 0.60                                  | Much lower than expected                |
|                      |  | Heart Hospital Baylor Plano                     | 844000        | 3,203                           | 247                            | 9.60                                   | 0.76                                  | Lower than expected                     |
|                      |  | Medical Center-Plano                            | 214000        | 13,204                          | 673                            | 5.22                                   | 0.93                                  | About as expected                       |
|                      |  | Methodist McKinney Hospital                     | 937000        | 536                             | 21                             | 3.65                                   | 1.02                                  | About as expected                       |
|                      |  | Star Medical Center                             | 973390        | <i>lv</i>                       | <i>lv</i>                      | 5.18                                   | 0.12                                  | Much lower than expected                |
|                      |  | Texas Health Center-Diagnostics & Surgery Plano | 815300        | 490                             | 9                              | 3.89                                   | 0.29                                  | Much lower than expected                |
|                      |  | Texas Health Presbyterian Hospital Allen        | 724200        | 2,615                           | 120                            | 4.55                                   | 1.06                                  | About as expected                       |
|                      |  | Texas Health Presbyterian Hospital-Plano        | 664000        | 13,921                          | 443                            | 3.63                                   | 0.84                                  | Lower than expected                     |
| <b>Collingsworth</b> | Not Available  | Victory Medical Center Craig Ranch              | 856400        | <i>lv</i>                       | <i>lv</i>                      | 4.26                                   | 0.37                                  | Much lower than expected                |
|                      |  | Victory Medical Center Plano                    | 972910        | 378                             | 16                             | 4.08                                   | 0.75                                  | Lower than expected                     |
| <b>Collingsworth</b> | Not Available  | Collingsworth General Hospital                  | 195000        | 92                              | 6                              | 5.50                                   | 1.06                                  | About as expected                       |
|                      |  | <b>Colorado</b>                                 | Not Available | Columbus Community Hospital     | 014000                         | 1,034                                  | 55                                    | 5.47                                    |
|                      |  | Rice Medical Center                             | 560000        | 218                             | 10                             | 5.51                                   | 0.74                                  | Much lower than expected                |

| Hospital County                      | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name  | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|--------------------------------------|--|--|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Comal</b>                         | San Antonio-<br>New Braunfels,<br>TX                       | Baptist Emergency<br>Hospital Schertz                | 973120      | <i>lv</i>                             | <i>lv</i>                            | 4.08   | 0.90   | About as expected                              |
|                                      |  | CHRISTUS Santa Rosa<br>Hospital New Braunfels        | 863300      | 3,841                                 | 191                                  | 5.96   | 0.86   | Lower than<br>expected                         |
|                                      |  | Resolute Health                                      | 973850      | 403                                   | 9                                    | 3.58   | 0.92   | About as expected                              |
| <b>Comanche</b>                      | Not Available  | Comanche County<br>Medical Center                    | 495001      | 365                                   | 34                                   | 7.71   | 1.16   | Higher than<br>expected                        |
| <b>Coryell</b>                       | Killeen-Temple,<br>TX                                      | Coryell Memorial Hospital                            | 346000      | 351                                   | 19                                   | 7.00   | 0.78   | Lower than<br>expected                         |
| <b>Culberson</b>                     | Not Available  | Culberson Hospital                                   | 139000      | <i>lv</i>                             | <i>lv</i>                            | 5.66   | 0.96   | About as expected                              |
| <b>Dallas</b>                        | Dallas-Fort<br>Worth-<br>Arlington, TX                     | Baylor Heart & Vascular<br>Center                    | 784400      | 1,554                                 | 106                                  | 8.72   | 0.86   | Lower than<br>expected                         |
|                                      |  | Baylor Medical Center at<br>Uptown                   | 008001      | 975                                   | 20                                   | 3.47   | 0.55   | Much lower than<br>expected                    |
|                                      |  | Baylor Scott & White<br>Medical Center<br>Sunnyvale  | 919000      | 3,992                                 | 183                                  | 5.10   | 0.93   | About as expected                              |
|                                      |  | Baylor Scott & White<br>Medical Center White<br>Rock | 511000      | 5,451                                 | 325                                  | 5.91   | 0.91   | About as expected                              |
|                                      |  | Baylor Scott & White<br>Medical Center-Garland       | 027000      | 5,588                                 | 476                                  | 8.74   | 0.92   | About as expected                              |
|                                      |  | Baylor Scott & White<br>Medical Center-Irving        | 300000      | 8,958                                 | 476                                  | 5.11   | 0.98   | About as expected                              |
|                                      |  | Baylor Surgical Hospital<br>at Las Colinas           | 799500      | 550                                   | 13                                   | 2.99   | 1.06   | About as expected                              |
|                                      |  | Baylor University Medical<br>Center                  | 331000      | 25,351                                | 1,433                                | 5.96   | 0.99   | About as expected                              |
|                                      |  | Childrens Medical<br>Center-Dallas                   | 143000      | 10,908                                | 603                                  | 5.90   | 1.08   | About as expected                              |
| Crescent Medical Center<br>Lancaster | 973180   | 171  | 9           | 7.86                                  | 0.83                                 | Lower than<br>expected                       |  |  |

| Hospital County | Metropolitan/ Micropolitan Statistical Area (MSA) | Hospital Name                             | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/ 100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|---|---|----------|---------------------------------|--------------------------------|-------------------------------------|---------------------------------------|---|
| Dallas          | Dallas-Fort Worth-Arlington, TX                   | Dallas Medical Center                     | 449000   | 3,236                           | 207                            | 5.89                                | 1.47                                  | Much higher than expected               |
|                 |   | Dallas Regional Medical Center            | 315003   | 1,859                           | 93                             | 8.64                                | 0.58                                  | Much lower than expected                |
|                 |   | Forest Park Medical Center                | 900000   | 1,675                           | 87                             | 5.28                                | 0.98                                  | About as expected                       |
|                 |   | HealthSouth Rehab Hospital Dallas         | 680001   | <i>lv</i>                       | <i>lv</i>                      | 6.66                                | 0.00                                  | Much lower than expected                |
|                 |   | Las Colinas Medical Center                | 814000   | 4,766                           | 130                            | 3.42                                | 0.64                                  | Much lower than expected                |
|                 |   | Medical City Dallas Hospital              | 340000   | 19,892                          | 919                            | 4.84                                | 0.95                                  | About as expected                       |
|                 |   | Methodist Charlton Medical Center         | 142000   | 10,712                          | 688                            | 6.25                                | 1.11                                  | Higher than expected                    |
|                 |   | Methodist Dallas Medical Center           | 255000   | 13,454                          | 654                            | 5.00                                | 1.04                                  | About as expected                       |
|                 |   | Methodist Hospital for Surgery            | 750000   | 1,931                           | 66                             | 4.11                                | 0.86                                  | Lower than expected                     |
|                 |   | Methodist Richardson Medical Center       | 549000   | 1,598                           | 109                            | 6.55                                | 1.19                                  | Higher than expected                    |
|                 |   | North Central Surgical Center             | 860600   | 1,080                           | 15                             | 3.19                                | 0.27                                  | Much lower than expected                |
|                 |   | Our Childrens House Baylor                | 710000   | 213                             | 7                              | 6.50                                | 0.61                                  | Much lower than expected                |
|                 |   | Parkland Memorial Hospital                | 474000   | 31,082                          | 1,281                          | 3.98                                | 1.06                                  | About as expected                       |
|                 |   | Pine Creek Medical Center                 | 818200   | 994                             | 41                             | 3.47                                | 1.11                                  | Higher than expected                    |
|                 |   | Texas Health Presbyterian Hospital Dallas | 431000   | 21,279                          | 905                            | 4.60                                | 0.90                                  | About as expected                       |

| Hospital County                                 | Metropolitan/ Micropolitan Statistical Area (MSA) | Hospital Name  | THCIC ID                        | Admissions At Risk <sup>a</sup>           | Actual PPR Chains <sup>b</sup> | PPR Chains/ 100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|---|---|--|---------------------------------|---|--------------------------------|-------------------------------------|---------------------------------------|---|
| <b>Dallas</b>                                   | Dallas-Fort Worth-Arlington, TX                   | Texas Institute for Surgery-Texas Health Presbyterian-Dallas | 813100                          | 328                                       | 5                              | 3.10                                | 0.31                                  | Much lower than expected                |
|   |   | Texas Scottish Rite Hospital for Children                    | 054000                          | 698                                       | 23                             | 3.84                                | 0.79                                  | Lower than expected                     |
|   |   | UT Southwestern University Hospital-St Paul                  | 448001                          | 11,033                                    | 864                            | 6.87                                | 1.22                                  | Higher than expected                    |
|   |   | UT Southwestern University Hospital-Zale Lipshy              | 653001                          | 3,477                                     | 219                            | 6.56                                | 0.84                                  | Lower than expected                     |
|   |   | University General Hospital Dallas                           | 908000                          | 673                                       | 55                             | 9.02                                | 0.90                                  | About as expected                       |
|   |   | Walnut Hill Medical Center                                   | 973750                          | 551                                       | 50                             | 7.97                                | 1.10                                  | About as expected                       |
|   |   | <b>Denton</b>  | Dallas-Fort Worth-Arlington, TX | Baylor Emergency Medical Center at Aubrey | 873200                         | <i>lv</i>                           | <i>lv</i>                             | 3.92                                    |
| Baylor Medical Center Trophy Club               | 805100  |  |                                 | 424                                       | 19                             | 3.84                                | 1.30                                  | Much higher than expected               |
| Baylor Scott & White Medical Center Carrollton  | 042000  |  |                                 | 5,406                                     | 236                            | 4.56                                | 0.99                                  | About as expected                       |
| Denton Regional Medical Center                  | 336001  |  |                                 | 7,144                                     | 476                            | 6.16                                | 1.09                                  | About as expected                       |
| Medical Center-Lewisville                       | 394000  |  |                                 | 5,652                                     | 254                            | 4.84                                | 1.03                                  | About as expected                       |
| Texas Health Presbyterian Hospital Flower Mound | 943000  |  |                                 | 4,478                                     | 147                            | 3.56                                | 0.99                                  | About as expected                       |
| Texas Health Presbyterian Hospital-Denton       | 820800  |  |                                 | 7,748                                     | 347                            | 4.55                                | 0.87                                  | Lower than expected                     |
| The Heart Hospital Baylor Denton                | 208100  |  |                                 | 230                                       | 11                             | 7.33                                | 0.84                                  | Lower than expected                     |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                       | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-----------------|--|---|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Ector</b>    | Odessa, TX   | Basin Healthcare Center                             | 938000      | /v                                    | /v                                   | 3.84   | 1.88   | Much higher than expected                      |
|                 |  | Medical Center Hospital                             | 181000      | 11,211                                | 660                                  | 5.52   | 1.01   | About as expected                              |
|                 |  | Odessa Regional Medical Center                      | 425000      | 6,449                                 | 166                                  | 2.66   | 0.94   | About as expected                              |
| <b>El Paso</b>  | El Paso, TX  | Del Sol Medical Center                              | 319000      | 13,493                                | 772                                  | 5.19   | 1.05   | About as expected                              |
|                 |  | El Paso Childrens Hospital                          | 969700      | 2,594                                 | 95                                   | 3.66   | 1.18   | Higher than expected                           |
|                 |  | El Paso Specialty Hospital                          | 728200      | 530                                   | 16                                   | 3.23   | 0.77   | Lower than expected                            |
|                 |  | Foundation Surgical Hospital of El Paso             | 801300      | 591                                   | 16                                   | 4.31   | 0.64   | Much lower than expected                       |
|                 |  | Las Palmas Medical Center                           | 180000      | 8,169                                 | 355                                  | 4.36   | 0.97   | About as expected                              |
|                 |  | The Hospitals of Providence East Campus             | 865000      | 8,210                                 | 458                                  | 5.02   | 1.18   | Higher than expected                           |
|                 |  | The Hospitals of Providence Memorial Campus         | 130000      | 15,183                                | 674                                  | 4.25   | 1.03   | About as expected                              |
|                 |  | The Hospitals of Providence Sierra Campus           | 266000      | 8,693                                 | 543                                  | 5.90   | 1.12   | Higher than expected                           |
|                 |  | University Medical Center of El Paso                | 263000      | 14,663                                | 659                                  | 4.43   | 1.10   | About as expected                              |
| <b>Ellis</b>    | Dallas-Fort Worth-Arlington, TX                            | Baylor Scott & White Medical Center Waxahachie      | 285000      | 2,193                                 | 156                                  | 8.13   | 0.85   | Lower than expected                            |
|                 |  | Ennis Regional Medical Center                       | 714500      | 1,905                                 | 55                                   | 3.43   | 0.79   | Lower than expected                            |
| <b>Erath</b>    | Stephenville, TX   | Texas Health Harris Methodist Hospital-Stephenville | 256000      | 1,756                                 | 79                                   | 4.10   | 1.02   | About as expected                              |

| Hospital County  | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name  | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|------------------|--|--|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Fannin</b>    | Not Available  | TMC Bonham Hospital  | 106001      | 382                                   | 34                                   | 10.00  | 0.78   | Lower than expected                            |
| <b>Fayette</b>   | Not Available  | St Marks Medical Center                                    | 823400      | 1,300                                 | 37                                   | 5.11   | 0.60   | Much lower than expected                       |
| <b>Fort Bend</b> | Houston-The Woodlands-Sugar Land, TX                       | Emerus Hospital  | 916000      | <i>lv</i>                             | <i>lv</i>                            | 4.22   | 0.00   | Much lower than expected                       |
|                  |  | Hospital for Surgical Excellence of Oakbend Medical Center | 230002      | <i>lv</i>                             | <i>lv</i>                            | 3.18   | 0.00   | Much lower than expected                       |
|                  |  | Houston Methodist Sugar Land Hospital                      | 823000      | 13,396                                | 755                                  | 5.13   | 1.15   | Higher than expected                           |
|                  |  | Memorial Hermann Katy Hospital                             | 534001      | 9,380                                 | 436                                  | 4.70   | 1.07   | About as expected                              |
|                  |  | Memorial Hermann Sugar Land                                | 609001      | 5,277                                 | 244                                  | 4.50   | 1.01   | About as expected                              |
|                  |  | Memorial Hermann Surgical Hospital First Colony            | 790500      | 292                                   | 13                                   | 3.22   | 1.24   | Higher than expected                           |
|                  |  | Oakbend Medical Center                                     | 230000      | 1,567                                 | 152                                  | 10.10  | 0.91   | About as expected                              |
|                  |  | Oakbend Medical Center (Southwest Freeway)                 | 230001      | 2,939                                 | 48                                   | 2.04   | 0.58   | Much lower than expected                       |
|                  |  | St Lukes Sugar Land Hospital                               | 869700      | 1,901                                 | 168                                  | 8.47   | 1.20   | Higher than expected                           |
| <b>Franklin</b>  | Not Available  | East Texas Medical Center-Mount Vernon                     | 282000      | 365                                   | 33                                   | 7.88   | 1.00   | About as expected                              |
| <b>Freestone</b> | Not Available  | East Texas Medical Center-Fairfield                        | 401000      | 299                                   | 26                                   | 9.09   | 1.02   | About as expected                              |
| <b>Frio</b>      | Not Available  | Nix Community General Hospital                             | 973150      | <i>lv</i>                             | <i>lv</i>                            | 6.63   | 1.03   | About as expected                              |
| <b>Galveston</b> | Houston-The Woodlands-Sugar Land, TX                       | Mainland Medical Center                                    | 793000      | 5,144                                 | 525                                  | 8.43   | 1.28   | Much higher than expected                      |

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|------------------|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Galveston</b> | Houston-The Woodlands-Sugar Land, TX                       | Shriners Hospital for Children-Galveston       | 247000   | <i>lv</i>                       | <i>lv</i>                      | 1.31                                   | 1.29                                  | Much higher than expected               |
|                  |  | UT Medical Branch Hospital                     | 000102   | 21,030                          | 1,099                          | 4.44                                   | 1.15                                  | Higher than expected                    |
| <b>Gillespie</b> | Fredericksburg, TX   | Hill Country Memorial Hospital                 | 219000   | 2,589                           | 93                             | 5.18                                   | 0.60                                  | Much lower than expected                |
| <b>Gray</b>      | Pampa, TX  | Pampa Regional Medical Center                  | 832900   | 1,408                           | 89                             | 6.40                                   | 0.96                                  | About as expected                       |
| <b>Grayson</b>   | Sherman-Denison, TX  | Heritage Park Surgical Hospital                | 100076   | 236                             | 5                              | 4.04                                   | 0.22                                  | Much lower than expected                |
|                  |  | Texoma Medical Center                          | 847000   | 9,059                           | 641                            | 6.75                                   | 1.11                                  | Higher than expected                    |
|                  |  | Wilson N Jones Regional Medical Center         | 297000   | 3,127                           | 204                            | 8.18                                   | 0.72                                  | Much lower than expected                |
| <b>Gregg</b>     | Longview, TX   | Allegiance Specialty Hospital-Kilgore          | 031001   | 199                             | 22                             | 13.20                                  | 0.90                                  | About as expected                       |
|                  |  | CHRISTUS Good Shepherd Medical Center-Longview | 029000   | 12,172                          | 846                            | 6.39                                   | 1.08                                  | About as expected                       |
|                  |  | Longview Regional Medical Center               | 525000   | 7,424                           | 314                            | 4.57                                   | 0.98                                  | About as expected                       |
| <b>Grimes</b>    | Not Available  | CHI St Joseph Health Grimes Hospital           | 728800   | 124                             | 15                             | 8.96                                   | 1.41                                  | Much higher than expected               |
| <b>Guadalupe</b> | San Antonio-New Braunfels, TX                              | Guadalupe Regional Medical Center              | 155000   | 3,447                           | 147                            | 4.66                                   | 0.76                                  | Lower than expected                     |
| <b>Hale</b>      | Plainview, TX  | Covenant Hospital-Plainview                    | 146000   | 1,845                           | 81                             | 4.34                                   | 0.95                                  | About as expected                       |
| <b>Harris</b>    | Houston-The Woodlands-Sugar Land, TX                       | Altus Baytown Hospital                         | 973860   | <i>lv</i>                       | <i>lv</i>                      | 3.28                                   | 0.24                                  | Much lower than expected                |
|                  |  | Bay Area Regional Med Ctr                      | 973960   | 493                             | 35                             | 7.25                                   | 1.01                                  | About as expected                       |
|                  |  | Bayshore Medical Center                        | 349001   | 11,317                          | 623                            | 5.46                                   | 1.05                                  | About as expected                       |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name   | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| Harris          | Houston-The Woodlands-Sugar Land, TX                       | CHI St Lukes Health Baylor College of Medicine Medical Center | 118000   | 17,639                          | 1,666                          | 8.56                                   | 1.12                                  | Higher than expected                    |
|                 |  | Clear Lake Regional Medical Center                            | 212000   | 18,510                          | 964                            | 4.95                                   | 1.08                                  | About as expected                       |
|                 |  | Cypress Creek Hospital  | 744001   | 2,891                           | 233                            | 8.38                                   | 0.87                                  | Lower than expected                     |
|                 |  | Cypress Fairbanks Medical Center                              | 606000   | 9,090                           | 313                            | 3.06                                   | 1.22                                  | Higher than expected                    |
|                 |  | East Houston Regional Medical Center                          | 458001   | 7,004                           | 364                            | 4.57                                   | 1.21                                  | Higher than expected                    |
|                 |  | Emerus Community Hospital                                     | 973600   | <i>lv</i>                       | <i>lv</i>                      | 4.05                                   | 0.70                                  | Much lower than expected                |
|                 |  | First Nobilis Hospital  | 974450   | <i>lv</i>                       | <i>lv</i>                      | 4.71                                   | 2.16                                  | Much higher than expected               |
|                 |  | First Surgical Hospital                                       | 840100   | 336                             | 12                             | 4.10                                   | 1.18                                  | Higher than expected                    |
|                 |  | Harris Health System Ben Taub Hospital                        | 459000   | 20,158                          | 1,148                          | 5.47                                   | 1.00                                  | About as expected                       |
|                 |  | Harris Health System Lyndon B Johnson Hospital                | 384000   | 11,483                          | 556                            | 4.99                                   | 1.08                                  | About as expected                       |
|                 |  | HealthBridge Childrens Hospital-Houston                       | 712500   | <i>lv</i>                       | <i>lv</i>                      | 7.75                                   | 0.00                                  | Much lower than expected                |
|                 |  | Houston Hospital for Specialized Surgery                      | 758000   | <i>lv</i>                       | <i>lv</i>                      | 3.84                                   | 0.80                                  | Lower than expected                     |
|                 |  | Houston Methodist Hospital                                    | 124000   | 25,264                          | 2,282                          | 8.48                                   | 1.11                                  | Higher than expected                    |
|                 |  | Houston Methodist San Jacinto Hospital                        | 405000   | 9,847                           | 655                            | 6.32                                   | 1.12                                  | Higher than expected                    |
|                 |  | Houston Methodist St Catherine Hospital                       | 973620   | <i>lv</i>                       | <i>lv</i>                      | 13.60                                  | 0.31                                  | Much lower than expected                |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                 | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| Harris          | Houston-The Woodlands-Sugar Land, TX                       | Houston Methodist St John Hospital            | 973640   | 4,537                           | 319                            | 6.70                                   | 0.99                                  | About as expected                       |
|                 |  | Houston Methodist West Hospital               | 800010   | 9,852                           | 465                            | 4.58                                   | 1.11                                  | Higher than expected                    |
|                 |  | Houston Methodist Willowbrook Hospital        | 724700   | 14,074                          | 827                            | 5.13                                   | 1.17                                  | Higher than expected                    |
|                 |  | Houston Northwest Medical Center              | 229000   | 16,078                          | 781                            | 4.24                                   | 1.21                                  | Higher than expected                    |
|                 |  | Houston Orthopedic & Spine Hospital           | 831900   | 1,785                           | 83                             | 3.51                                   | 1.14                                  | Higher than expected                    |
|                 |  | Houston Physicians Hospital                   | 822001   | 438                             | 10                             | 3.01                                   | 0.61                                  | Much lower than expected                |
|                 |  | Humble Surgical Hospital                      | 901100   | <i>lv</i>                       | <i>lv</i>                      | 3.77                                   | 0.00                                  | Much lower than expected                |
|                 |  | Kindred Hospital East Houston                 | 720400   | <i>lv</i>                       | <i>lv</i>                      | 11.20                                  | 0.38                                  | Much lower than expected                |
|                 |  | Memorial Hermann Greater Heights Hospital     | 172000   | 10,601                          | 634                            | 5.88                                   | 1.10                                  | About as expected                       |
|                 |  | Memorial Hermann Hospital                     | 347000   | 31,015                          | 1,898                          | 5.41                                   | 1.11                                  | Higher than expected                    |
|                 |  | Memorial Hermann Memorial City Medical Center | 302000   | 18,895                          | 924                            | 5.11                                   | 0.99                                  | About as expected                       |
|                 |  | Memorial Hermann Northeast                    | 847100   | 9,685                           | 704                            | 6.94                                   | 1.09                                  | About as expected                       |
|                 |  | Memorial Hermann Southeast Hospital           | 119000   | 12,551                          | 913                            | 6.99                                   | 1.13                                  | Higher than expected                    |
|                 |  | Memorial Hermann Southwest Hospital           | 407000   | 16,913                          | 866                            | 5.38                                   | 0.99                                  | About as expected                       |
|                 |  | Memorial Hermann Specialty Hospital Kingwood  | 813800   | 198                             | 8                              | 2.60                                   | 1.10                                  | About as expected                       |

| Hospital County                             | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name  | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|---|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| Harris                                      | Houston-The Woodlands-Sugar Land, TX                       | North Cypress Medical Center                             | 843200   | 6,750                           | 620                            | 7.64                                   | 1.16                                  | Higher than expected                    |
|   |  | Park Plaza Hospital                                      | 390000   | 2,621                           | 210                            | 8.06                                   | 1.08                                  | About as expected                       |
|   |  | Red Oak Hospital   | 970160   | <i>lv</i>                       | <i>lv</i>                      | 3.48                                   | 0.00                                  | Much lower than expected                |
|   |  | Riverside General Hospital                               | 460000   | 168                             | 9                              | 5.41                                   | 0.81                                  | Lower than expected                     |
|   |  | Shriners Hospitals for Children                          | 526000   | 270                             | 5                              | 2.85                                   | 0.93                                  | About as expected                       |
|   |  | Spring Central Hospital                                  | 973330   | <i>lv</i>                       | <i>lv</i>                      | 3.37                                   | 3.74                                  | Much higher than expected               |
|   |  | St Anthonys Hospital                                     | 909000   | <i>lv</i>                       | <i>lv</i>                      | 9.16                                   | 0.93                                  | About as expected                       |
|   |  | St Joseph Medical Center                                 | 838600   | 14,973                          | 610                            | 4.29                                   | 1.02                                  | About as expected                       |
|   |  | St Joseph Medical Center-Heights                         | 973100   | 653                             | 69                             | 9.89                                   | 1.45                                  | Much higher than expected               |
|   |  | St Lukes Hospital at the Vintage                         | 740000   | 2,657                           | 165                            | 6.29                                   | 0.84                                  | Lower than expected                     |
|   |  | St Lukes Patients Medical Center                         | 846100   | 2,677                           | 218                            | 8.27                                   | 0.88                                  | Lower than expected                     |
|   |  | Surgery Specialty Hospitals of America-Southeast Houston | 694100   | <i>lv</i>                       | <i>lv</i>                      | 3.59                                   | 0.40                                  | Much lower than expected                |
|   |  | TOPS Surgical Specialty Hospital                         | 674000   | 657                             | 19                             | 3.42                                   | 0.71                                  | Much lower than expected                |
|   |  | Texas Childrens Hospital                                 | 117000   | 12,979                          | 740                            | 5.77                                   | 1.15                                  | Higher than expected                    |
|   |  | Texas Childrens Hospital West Campus                     | 117002   | 1,586                           | 74                             | 4.75                                   | 1.09                                  | About as expected                       |
| Texas Childrens Hospital-Pavilion for Women | 117100   | 9,822  | 95       | 0.73                            | 1.08                           | About as expected                      |                                       |   |

| Hospital County  | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name  | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|------------------|--|--|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Harris</b>    | Houston-The<br>Woodlands-<br>Sugar Land, TX                | Texas Orthopedic<br>Hospital                         | 792000      | 3,061                                 | 65                                   | 3.61   | 0.47   | Much lower than<br>expected                    |
|                  |  | Tomball Regional Medical<br>Center                   | 076000      | 7,466                                 | 523                                  | 6.85   | 1.02   | About as expected                              |
|                  |  | UT MD Anderson Cancer<br>Center                      | 000105      | 6,550                                 | 449                                  | 6.98   | 0.84   | Lower than<br>expected                         |
|                  |  | United Memorial Medical<br>Center                    | 030000      | 744                                   | 69                                   | 7.90   | 0.94   | About as expected                              |
|                  |  | University General<br>Hospital                       | 840200      | 2,139                                 | 177                                  | 7.58   | 1.06   | About as expected                              |
|                  |  | Victory Medical Center<br>Houston                    | 945500      | 443                                   | 17                                   | 3.72   | 0.87   | Lower than<br>expected                         |
|                  |  | Victory Surgical Hospital<br>East Houston            | 972970      | <i>lv</i>                             | <i>lv</i>                            | 3.47   | 0.24   | Much lower than<br>expected                    |
|                  |  | West Houston Medical<br>Center                       | 337001      | 11,309                                | 573                                  | 4.92   | 1.11   | Higher than<br>expected                        |
|                  |  | Westside Surgical<br>Hospital                        | 101300      | <i>lv</i>                             | <i>lv</i>                            | 2.90   | 0.35   | Much lower than<br>expected                    |
|                  |  | Womans Hospital-Texas                                | 007000      | 19,531                                | 207                                  | 0.78   | 1.23   | Higher than<br>expected                        |
| <b>Harrison</b>  | Marshall, TX   | CHRISTUS Good<br>Shepherd Medical<br>Center-Marshall | 020000      | 3,199                                 | 208                                  | 6.32   | 1.17   | Higher than<br>expected                        |
| <b>Haskell</b>   | Not Available  | Haskell Memorial<br>Hospital                         | 572000      | <i>lv</i>                             | <i>lv</i>                            | 7.77   | 0.35   | Much lower than<br>expected                    |
| <b>Hays</b>      | Austin-Round<br>Rock, TX                                   | Central Texas Medical<br>Center                      | 556000      | 3,857                                 | 182                                  | 4.58   | 0.92   | About as expected                              |
|                  |  | Seton Medical Center<br>Hays                         | 921000      | 5,377                                 | 338                                  | 6.16   | 0.93   | About as expected                              |
| <b>Henderson</b> | Athens, TX   | East Texas Medical<br>Center-Athens                  | 374000      | 4,895                                 | 310                                  | 5.17   | 1.12   | Higher than<br>expected                        |

| Hospital County   | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                 | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-------------------|--|---|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Hidalgo</b>    | McAllen-<br>Edinburg-<br>Mission, TX                       | Cornerstone Regional<br>Hospital              | 830000      | 554                                   | 14                                   | 2.71   | 0.64   | Much lower than<br>expected                    |
|                   |  | Doctors Hospital-<br>Renaissance              | 797100      | 30,938                                | 1,287                                | 3.81   | 1.17   | Higher than<br>expected                        |
|                   |  | Edinburg Regional<br>Medical Center           | 140002      | 4,620                                 | 234                                  | 4.93   | 1.35   | Much higher than<br>expected                   |
|                   |  | Knapp Medical Center                          | 480000      | 7,735                                 | 356                                  | 4.91   | 1.57   | Much higher than<br>expected                   |
|                   |  | McAllen Medical Center                        | 802001      | 13,933                                | 1,280                                | 6.98   | 1.59   | Much higher than<br>expected                   |
|                   |  | Mission Regional Medical<br>Center            | 370000      | 8,162                                 | 404                                  | 4.16   | 1.41   | Much higher than<br>expected                   |
|                   |  | Rio Grande Regional<br>Hospital               | 601000      | 12,021                                | 676                                  | 4.97   | 1.18   | Higher than<br>expected                        |
| <b>Hill</b>       | Not Available  | Hill Regional Hospital                        | 383000      | 1,137                                 | 65                                   | 5.96   | 0.97   | About as expected                              |
| <b>Hockley</b>    | Levelland, TX  | Covenant Hospital-<br>Levelland               | 307000      | 752                                   | 36                                   | 3.83   | 1.08   | About as expected                              |
| <b>Hood</b>       | Dallas-Fort<br>Worth-<br>Arlington, TX                     | Lake Granbury Medical<br>Center               | 424000      | 2,515                                 | 120                                  | 5.38   | 0.74   | Much lower than<br>expected                    |
| <b>Houston</b>    | Not Available  | East Texas Medical<br>Center-Crockett         | 185000      | 847                                   | 52                                   | 5.48   | 1.26   | Much higher than<br>expected                   |
| <b>Howard</b>     | Big Spring, TX   | Scenic Mountain Medical<br>Center             | 221000      | 1,809                                 | 115                                  | 5.70   | 1.00   | About as expected                              |
| <b>Hunt</b>       | Dallas-Fort<br>Worth-<br>Arlington, TX                     | Hunt Regional<br>Community Hospital           | 087000      | 116                                   | 8                                    | 9.25   | 0.74   | Much lower than<br>expected                    |
|                   |  | Hunt Regional Medical<br>Center Greenville    | 085000      | 4,130                                 | 237                                  | 5.54   | 1.03   | About as expected                              |
| <b>Hutchinson</b> | Borger, TX   | Golden Plains<br>Community Hospital           | 654000      | 935                                   | 26                                   | 3.01   | 0.72   | Much lower than<br>expected                    |
| <b>Jasper</b>     | Not Available  | CHRISTUS Southeast<br>Texas - Jasper Memorial | 038001      | 1,191                                 | 65                                   | 5.70   | 0.97   | About as expected                              |

| Hospital County  | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name  | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|------------------|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Jefferson</b> | Beaumont-Port Arthur, TX                                   | Baptist Hospitals of Southeast Texas                 | 389000   | 12,019                          | 888                            | 6.59                                   | 1.02                                  | About as expected                       |
|                  |  | CHRISTUS Southeast Texas - St Elizabeth              | 444001   | 12,440                          | 768                            | 5.68                                   | 1.07                                  | About as expected                       |
|                  |  | CHRISTUS Southeast Texas -St Mary                    | 299001   | 2,446                           | 149                            | 6.04                                   | 1.12                                  | Higher than expected                    |
|                  |  | CHRISTUS Southeast Texas Orthopedic Specialty Center | 973570   | <i>lv</i>                       | <i>lv</i>                      | 1.95                                   | 0.00                                  | Much lower than expected                |
|                  |  | Medical Center-Southeast Texas                       | 464002   | 6,876                           | 422                            | 5.78                                   | 1.06                                  | About as expected                       |
|                  |  | Victory Medical Center Beaumont                      | 973170   | <i>lv</i>                       | <i>lv</i>                      | 3.48                                   | 0.65                                  | Much lower than expected                |
| <b>Jim Wells</b> | Alice, TX  | CHRISTUS Spohn Hospital Alice                        | 689401   | 2,535                           | 168                            | 6.12                                   | 1.14                                  | Higher than expected                    |
| <b>Johnson</b>   | Dallas-Fort Worth-Arlington, TX                            | Texas Health Harris Methodist Hospital Cleburne      | 323000   | 3,282                           | 182                            | 5.20                                   | 0.89                                  | Lower than expected                     |
| <b>Kaufman</b>   | Dallas-Fort Worth-Arlington, TX                            | Texas Health Presbyterian Hospital-Kaufman           | 303000   | 1,569                           | 86                             | 6.04                                   | 0.71                                  | Much lower than expected                |
| <b>Kerr</b>      | Kerrville, TX  | Peterson Regional Medical Center                     | 406000   | 3,443                           | 182                            | 6.76                                   | 0.69                                  | Much lower than expected                |
| <b>Kimble</b>    | Not Available  | Kimble Hospital                                      | 205000   | 80                              | 5                              | 8.00                                   | 0.52                                  | Much lower than expected                |
| <b>Kleberg</b>   | Kingsville, TX   | CHRISTUS Spohn Hospital-Kleberg                      | 216001   | 2,366                           | 183                            | 5.58                                   | 1.29                                  | Much higher than expected               |
| <b>Lampasas</b>  | Killeen-Temple, TX   | Rollins Brooks Community Hospital                    | 397000   | 397                             | 36                             | 7.86                                   | 0.91                                  | About as expected                       |
| <b>Lavaca</b>    | Not Available  | Yoakum Community Hospital                            | 023000   | 668                             | 43                             | 7.31                                   | 0.72                                  | Much lower than expected                |

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|------------------|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Liberty</b>   | Houston-The Woodlands-Sugar Land, TX                       | Cleveland Regional Medical Center         | 108000   | <i>lv</i>                       | <i>lv</i>                      | 8.92                                   | 1.32                                  | Much higher than expected               |
|                  |  | Doctors Diagnostic Hospital               | 840400   | <i>lv</i>                       | <i>lv</i>                      | 11.10                                  | 4.39                                  | Much higher than expected               |
|                  |  | Liberty Dayton Regional Medical Center    | 089001   | 125                             | 10                             | 7.32                                   | 1.12                                  | Higher than expected                    |
| <b>Limestone</b> | Not Available  | Parkview Regional Hospital                | 505000   | 552                             | 37                             | 9.02                                   | 0.55                                  | Much lower than expected                |
| <b>Llano</b>     | Not Available  | Baylor Scott & White Medical Center Llano | 476000   | 728                             | 31                             | 4.42                                   | 0.62                                  | Much lower than expected                |
| <b>Lubbock</b>   | Lubbock, TX  | Covenant Childrens Hospital               | 686000   | 1,432                           | 36                             | 4.21                                   | 0.60                                  | Much lower than expected                |
|                  |  | Covenant Medical Center                   | 465000   | 11,404                          | 715                            | 9.02                                   | 0.68                                  | Much lower than expected                |
|                  |  | Covenant Medical Center-Lakeside          | 109000   | 5,176                           | 78                             | 1.95                                   | 0.81                                  | Lower than expected                     |
|                  |  | Grace Medical Center                      | 013001   | 748                             | 17                             | 4.48                                   | 0.48                                  | Much lower than expected                |
|                  |  | Lubbock Heart Hospital                    | 801500   | 2,166                           | 121                            | 7.08                                   | 0.76                                  | Lower than expected                     |
|                  |  | TrustPoint Hospital                       | 865800   | 351                             | 29                             | 12.30                                  | 0.54                                  | Much lower than expected                |
|                  |  | University Medical Center                 | 145000   | 14,772                          | 704                            | 5.01                                   | 0.96                                  | About as expected                       |
| <b>Madison</b>   | Not Available  | CHI St Joseph Health Madison Hospital     | 041000   | 77                              | 6                              | 9.99                                   | 0.68                                  | Much lower than expected                |
| <b>Matagorda</b> | Bay City, TX   | Matagorda Regional Medical Center         | 006000   | 1,931                           | 103                            | 4.44                                   | 1.48                                  | Much higher than expected               |
|                  |  | Palacios Community Medical Center         | 574001   | <i>lv</i>                       | <i>lv</i>                      | 6.32                                   | 1.02                                  | About as expected                       |
| <b>Maverick</b>  | Eagle Pass, TX   | Fort Duncan Regional Medical Center       | 547001   | 4,245                           | 165                            | 4.33                                   | 1.01                                  | About as expected                       |

| Hospital County    | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                              | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|--------------------|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>McLennan</b>    | Waco, TX   | Providence Health Center                   | 040000   | 12,599                          | 766                            | 6.31                                   | 0.87                                  | Lower than expected                     |
| <b>Midland</b>     | Midland, TX  | Midland Memorial Hospital                  | 452000   | 11,123                          | 486                            | 4.74                                   | 0.89                                  | Lower than expected                     |
| <b>Milam</b>       | Not Available  | Little River Healthcare                    | 369000   | 243                             | 14                             | 7.12                                   | 0.75                                  | Lower than expected                     |
|                    |  | Little River Healthcare - Cameron Hospital | 973740   | <i>lv</i>                       | <i>lv</i>                      | 7.05                                   | 0.17                                  | Much lower than expected                |
| <b>Mitchell</b>    | Not Available  | Mitchell County Hospital                   | 075000   | 291                             | 22                             | 6.79                                   | 1.10                                  | About as expected                       |
| <b>Montague</b>    | Not Available  | Nocona General Hospital                    | 348000   | <i>lv</i>                       | <i>lv</i>                      | 8.40                                   | 0.94                                  | About as expected                       |
| <b>Montgomery</b>  | Houston-The Woodlands-Sugar Land, TX                       | Apollo Hospital                            | 973440   | 97                              | 7                              | 5.34                                   | 0.97                                  | About as expected                       |
|                    |  | Conroe Regional Medical Center             | 508001   | 10,759                          | 834                            | 6.81                                   | 1.17                                  | Higher than expected                    |
|                    |  | Kingwood Medical Center                    | 675000   | 13,837                          | 847                            | 5.34                                   | 1.22                                  | Higher than expected                    |
|                    |  | Memorial Hermann The Woodlands Hospital    | 615000   | 15,153                          | 653                            | 4.16                                   | 1.06                                  | About as expected                       |
|                    |  | St Lukes Lakeside Hospital                 | 923000   | 679                             | 19                             | 3.76                                   | 0.78                                  | Lower than expected                     |
|                    |  | St Lukes The Woodlands Hospital            | 793100   | 10,071                          | 610                            | 5.05                                   | 1.10                                  | About as expected                       |
|                    |  | Woodlands Specialty Hospital               | 974150   | <i>lv</i>                       | <i>lv</i>                      | 3.70                                   | 3.41                                  | Much higher than expected               |
| <b>Moore</b>       | Dumas, TX  | Memorial Hospital                          | 199000   | 729                             | 26                             | 4.00                                   | 0.70                                  | Much lower than expected                |
| <b>Nacogdoches</b> | Nacogdoches, TX  | Nacogdoches Medical Center                 | 392000   | 3,433                           | 190                            | 5.52                                   | 1.03                                  | About as expected                       |
|                    |  | Nacogdoches Memorial Hospital              | 478000   | 3,434                           | 203                            | 4.71                                   | 1.26                                  | Much higher than expected               |
| <b>Navarro</b>     | Corsicana, TX  | Navarro Regional Hospital                  | 141000   | 2,549                           | 148                            | 5.58                                   | 0.99                                  | About as expected                       |

| Hospital County   | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name   | THCIC<br>ID                 | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-------------------|--|---|-----------------------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Nueces</b>     | Corpus Christi,<br>TX                                      | CHRISTUS Spohn<br>Hospital Corpus Christi               | 398000                      | 5,691                                 | 430                                  | 7.88   | 0.95   | About as expected                              |
|                   |  | CHRISTUS Spohn<br>Hospital Corpus Christi-<br>Shoreline | 398001                      | 11,024                                | 1,149                                | 8.82   | 1.13   | Higher than<br>expected                        |
|                   |  | CHRISTUS Spohn<br>Hospital Corpus Christi-<br>South     | 398002                      | 7,972                                 | 224                                  | 2.89   | 0.85   | Lower than<br>expected                         |
|                   |  | Corpus Christi Medical<br>Center-Bay Area               | 703000                      | 9,094                                 | 141                                  | 1.66   | 0.97   | About as expected                              |
|                   |  | Corpus Christi Medical<br>Center-Doctors Regional       | 703002                      | 4,285                                 | 260                                  | 8.25   | 0.66   | Much lower than<br>expected                    |
|                   |  | Corpus Christi Medical<br>Center-Heart Hospital         | 703003                      | 1,289                                 | 93                                   | 8.79   | 0.84   | Lower than<br>expected                         |
|                   |  | Driscoll Childrens<br>Hospital                          | 488000                      | 2,936                                 | 125                                  | 4.93   | 1.10   | About as expected                              |
|                   |  | South Texas Surgical<br>Hospital                        | 931000                      | 1,001                                 | 32                                   | 3.86   | 0.68   | Much lower than<br>expected                    |
|                   |  | <b>Orange</b>   | Beaumont-Port<br>Arthur, TX | Baptist Orange Hospital               | 121000                               | 699  | 52   | 7.49   |
| <b>Palo Pinto</b> | Mineral Wells,<br>TX                                       | Palo Pinto General<br>Hospital                          | 034000                      | 1,697                                 | 102                                  | 5.03   | 1.15   | Higher than<br>expected                        |
| <b>Panola</b>     | Not Available  | East Texas Medical<br>Center-Carthage                   | 484000                      | 619                                   | 55                                   | 7.65   | 0.90   | About as expected                              |
| <b>Parker</b>     | Dallas-Fort<br>Worth-<br>Arlington, TX                     | Weatherford Regional<br>Medical Center                  | 844800                      | 3,072                                 | 155                                  | 5.33   | 0.81   | Lower than<br>expected                         |
| <b>Polk</b>       | Not Available  | CHI St Lukes Health -<br>Memorial Livingston            | 466000                      | 2,026                                 | 83                                   | 5.11   | 0.65   | Much lower than<br>expected                    |
| <b>Potter</b>     | Amarillo, TX   | Baptist St Anthonys<br>Hospital                         | 001000                      | 16,512                                | 957                                  | 6.22   | 0.91   | About as expected                              |
|                   |  | Northwest Texas Hospital                                | 318000                      | 15,548                                | 1,112                                | 6.08   | 1.06   | About as expected                              |

| Hospital County      | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                   | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|----------------------|--|---|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Potter</b>        | Amarillo, TX   | Physicians Surgical Hospital-Panhandle Campus   | 852901      | 583                                   | 14                                   | 2.82   | 0.67   | Much lower than expected                       |
|                      |  | Physicians Surgical Hospital-Quail Creek        | 852900      | 855                                   | 15                                   | 3.13   | 0.60   | Much lower than expected                       |
| <b>Randall</b>       | Amarillo, TX   | Northwest Texas Surgery Center                  | 714000      | <i>lv</i>                             | <i>lv</i>                            | 3.11   | 0.20   | Much lower than expected                       |
| <b>Red River</b>     | Not Available  | East Texas Medical Center-Clarksville           | 292000      | 434                                   | 31                                   | 6.56   | 1.06   | About as expected                              |
| <b>Rockwall</b>      | Dallas-Fort Worth-Arlington, TX                            | Baylor Emergency Medical Center at Rockwall     | 973610      | <i>lv</i>                             | <i>lv</i>                            | 3.96   | 0.00   | Much lower than expected                       |
|                      |  | Baylor Scott & White Medical Center Lake Pointe | 625000      | 5,776                                 | 314                                  | 4.01   | 1.24   | Higher than expected                           |
|                      |  | Texas Health Presbyterian Hospital-Rockwall     | 859900      | 3,912                                 | 157                                  | 4.28   | 0.89   | Lower than expected                            |
| <b>Runnels</b>       | Not Available  | Ballinger Memorial Hospital District            | 234000      | <i>lv</i>                             | <i>lv</i>                            | 10.60  | 0.23   | Much lower than expected                       |
| <b>Rusk</b>          | Longview, TX   | East Texas Medical Center Henderson             | 248000      | 1,308                                 | 87                                   | 5.39   | 1.28   | Much higher than expected                      |
| <b>Sabine</b>        | Not Available  | Sabine County Hospital                          | 522000      | 177                                   | 12                                   | 6.33   | 0.91   | About as expected                              |
| <b>San Augustine</b> | Not Available  | CHI St Lukes Health Memorial San Augustine      | 072000      | 222                                   | 21                                   | 8.46   | 1.06   | About as expected                              |
| <b>San Patricio</b>  | Corpus Christi, TX   | Care Regional Medical Center                    | 239001      | 810                                   | 65                                   | 10.60  | 0.64   | Much lower than expected                       |
| <b>Schleicher</b>    | Not Available  | Schleicher County Medical Center                | 136000      | <i>lv</i>                             | <i>lv</i>                            | 7.74   | 1.58   | Much higher than expected                      |
| <b>Smith</b>         | Tyler, TX  | Christus Mother Frances Hospital Tyler          | 286000      | 19,398                                | 1,228                                | 6.42   | 1.00   | About as expected                              |
|                      |  | East Texas Medical Center                       | 410000      | 15,482                                | 1,196                                | 7.99   | 1.01   | About as expected                              |

| Hospital County                      | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name   | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|--------------------------------------|--|---|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Smith</b>                         | Tyler, TX  | East Texas Medical Center Specialty Hospital              | 777000      | <i>lv</i>                             | <i>lv</i>                            | 11.00  | 1.09   | About as expected                              |
|                                      |  | Texas Spine & Joint Hospital                              | 790200      | 1,755                                 | 55                                   | 3.93   | 0.65   | Much lower than expected                       |
|                                      |  | UT Health Center – Tyler                                  | 000112      | 1,115                                 | 109                                  | 9.90   | 0.95   | About as expected                              |
| <b>Starr</b>                         | Rio Grande City, TX  | Starr County Memorial Hospital                            | 393000      | 1,215                                 | 63                                   | 4.62   | 1.39   | Much higher than expected                      |
| <b>Sutton</b>                        | Not Available  | Lillian M Hudspeth Memorial Hospital                      | 147000      | <i>lv</i>                             | <i>lv</i>                            | 6.13   | 0.24   | Much lower than expected                       |
| <b>Tarrant</b>                       | Dallas-Fort Worth-Arlington, TX                            | Baylor Emergency Medical Center                           | 972420      | <i>lv</i>                             | <i>lv</i>                            | 6.51   | 0.00   | Much lower than expected                       |
|                                      |  | Baylor Emergency Medical Center                           | 973920      | <i>lv</i>                             | <i>lv</i>                            | 3.25   | 0.00   | Much lower than expected                       |
|                                      |  | Baylor Emergency Medical Center at Keller                 | 973540      | <i>lv</i>                             | <i>lv</i>                            | 4.30   | 1.68   | Much higher than expected                      |
|                                      |  | Baylor Orthopedic and Spine Hospital - Arlington          | 936000      | 1,037                                 | 31                                   | 3.28   | 0.87   | Lower than expected                            |
|                                      |  | Baylor Scott & White All Saints Medical Center-Fort Worth | 363000      | 16,836                                | 679                                  | 3.96   | 1.05   | About as expected                              |
|                                      |  | Baylor Scott & White Medical Center-Grapevine             | 513000      | 10,497                                | 427                                  | 4.53   | 0.86   | Lower than expected                            |
|                                      |  | Baylor Surgical Hospital-Fort Worth                       | 804500      | 830                                   | 13                                   | 3.11   | 0.46   | Much lower than expected                       |
|                                      |  | Cook Childrens Medical Center                             | 332000      | 7,929                                 | 355                                  | 5.40   | 0.83   | Lower than expected                            |
|                                      |  | Cook Childrens Northeast Hospital                         | 850200      | <i>lv</i>                             | <i>lv</i>                            | 1.62   | 0.00   | Much lower than expected                       |
| Forest Park Medical Center Southlake | 973140   | <i>lv</i>   | <i>lv</i>   | 4.00                                  | 0.14                                 | Much lower than expected                     |  |  |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                     | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-----------------|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| Tarrant         | Dallas-Fort Worth-Arlington, TX                            | Forest Park Medical Center at Fort Worth          | 974230   | <i>lv</i>                       | <i>lv</i>                      | 4.94                                   | 0.00                                  | Much lower than expected                |
|                 |  | John Peter Smith Hospital                         | 409000   | 13,745                          | 606                            | 5.80                                   | 0.82                                  | Lower than expected                     |
|                 |  | Medical Center-Arlington                          | 502000   | 14,155                          | 632                            | 4.19                                   | 1.15                                  | Higher than expected                    |
|                 |  | Methodist Mansfield Medical Center                | 842800   | 8,892                           | 476                            | 4.79                                   | 1.03                                  | About as expected                       |
|                 |  | North Hills Hospital                              | 437000   | 5,045                           | 335                            | 6.93                                   | 0.97                                  | About as expected                       |
|                 |  | Parkway Surgical and Cardiovascular Hospital      | 973840   | <i>lv</i>                       | <i>lv</i>                      | 4.12                                   | 0.60                                  | Much lower than expected                |
|                 |  | Plaza Medical Center-Fort Worth                   | 477000   | 6,037                           | 585                            | 8.66                                   | 1.17                                  | Higher than expected                    |
|                 |  | Texas General Hospital                            | 115100   | 255                             | 15                             | 8.56                                   | 0.73                                  | Much lower than expected                |
|                 |  | Texas Health Arlington Memorial Hospital          | 422000   | 9,682                           | 658                            | 5.92                                   | 1.23                                  | Higher than expected                    |
|                 |  | Texas Health Harris Methodist HEB                 | 182000   | 9,355                           | 453                            | 5.46                                   | 0.84                                  | Lower than expected                     |
|                 |  | Texas Health Harris Methodist Hospital Alliance   | 972900   | 3,785                           | 112                            | 3.77                                   | 0.77                                  | Lower than expected                     |
|                 |  | Texas Health Harris Methodist Hospital Azle       | 469000   | 816                             | 55                             | 8.93                                   | 0.74                                  | Much lower than expected                |
|                 |  | Texas Health Harris Methodist Hospital Southlake  | 812800   | 757                             | 6                              | 3.32                                   | 0.18                                  | Much lower than expected                |
|                 |  | Texas Health Harris Methodist Hospital-Fort Worth | 235000   | 24,107                          | 1,465                          | 6.29                                   | 0.89                                  | Lower than expected                     |

| Hospital County  | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name   | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|------------------|--|---|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Tarrant</b>   | Dallas-Fort Worth-Arlington, TX                            | Texas Health Harris Methodist Hospital-Southwest Fort Worth | 627000   | 12,296                          | 392                            | 3.89                                   | 0.76                                  | Lower than expected                     |
|                  |  | Texas Health Heart & Vascular Hospital                      | 730001   | 931                             | 88                             | 9.09                                   | 1.05                                  | About as expected                       |
|                  |  | Texas Health Huguley Hospital                               | 047000   | 7,084                           | 462                            | 6.84                                   | 0.91                                  | About as expected                       |
|                  |  | USMD Hospital Fort Worth                                    | 861400   | 353                             | 6                              | 3.44                                   | 0.58                                  | Much lower than expected                |
|                  |  | USMD Hospital-Arlington                                     | 799001   | 1,349                           | 61                             | 5.04                                   | 1.07                                  | About as expected                       |
|                  |  | Victory Medical Center Mid-Cities                           | 972990   | 196                             | 6                              | 4.15                                   | 0.48                                  | Much lower than expected                |
| <b>Taylor</b>    | Abilene, TX  | Abilene Regional Medical Center                             | 091001   | 5,524                           | 248                            | 5.08                                   | 0.80                                  | Lower than expected                     |
|                  |  | Hendrick Medical Center                                     | 500000   | 12,619                          | 692                            | 6.16                                   | 0.88                                  | Lower than expected                     |
| <b>Tom Green</b> | San Angelo, TX   | San Angelo Community Medical Center                         | 056000   | 4,348                           | 235                            | 4.38                                   | 1.18                                  | Higher than expected                    |
|                  |  | Shannon West Texas Memorial Hospital                        | 168000   | 9,413                           | 576                            | 6.35                                   | 0.92                                  | About as expected                       |
| <b>Travis</b>    | Austin-Round Rock, TX                                      | Arise Austin Medical Center                                 | 973290   | 709                             | 11                             | 3.53                                   | 0.44                                  | Much lower than expected                |
|                  |  | Dell Childrens Medical Center                               | 852000   | 7,538                           | 356                            | 4.37                                   | 1.12                                  | Higher than expected                    |
|                  |  | HealthSouth Rehabilitation Hospital of Austin               | 970800   | <i>lv</i>                       | <i>lv</i>                      | 7.15                                   | 0.28                                  | Much lower than expected                |
|                  |  | Heart Hospital-Austin                                       | 829000   | 2,232                           | 180                            | 9.27                                   | 0.75                                  | Much lower than expected                |
|                  |  | Lakeway Regional Medical Center                             | 970200   | 1,868                           | 117                            | 5.55                                   | 1.11                                  | Higher than expected                    |

| Hospital County   | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                          | THCIC ID | Admissions At Risk <sup>a</sup> | Actual PPR Chains <sup>b</sup> | PPR Chains/<br>100 Admits <sup>c</sup> | Actual-to-Expected Ratio <sup>d</sup> | Actual-to-Expected Ratio Interpretation |
|-------------------|--|--|----------|---------------------------------|--------------------------------|--|---------------------------------------|---|
| <b>Travis</b>     | Austin-Round Rock, TX                                      | North Austin Medical Center            | 829900   | 17,871                          | 596                            | 3.25                                   | 0.97                                  | About as expected                       |
|                   |  | Northwest Hills Surgical Hospital      | 794000   | 356                             | 6                              | 4.18                                   | 0.34                                  | Much lower than expected                |
|                   |  | Seton Medical Center                   | 497000   | 18,712                          | 890                            | 4.94                                   | 0.93                                  | About as expected                       |
|                   |  | Seton Northwest Hospital               | 797600   | 5,452                           | 203                            | 4.14                                   | 0.82                                  | Lower than expected                     |
|                   |  | Seton Southwest Hospital               | 797500   | 1,509                           | 14                             | 1.01                                   | 0.86                                  | Lower than expected                     |
|                   |  | St Davids Hospital                     | 035000   | 15,423                          | 674                            | 4.27                                   | 1.15                                  | Higher than expected                    |
|                   |  | St Davids South Austin Hospital        | 602000   | 11,320                          | 771                            | 6.35                                   | 1.03                                  | About as expected                       |
|                   |  | University Medical Center-Brackenridge | 335000   | 10,380                          | 602                            | 6.06                                   | 0.90                                  | About as expected                       |
|                   |  | Westlake Medical Center                | 822800   | 818                             | 50                             | 4.81                                   | 1.69                                  | Much higher than expected               |
| <b>Trinity</b>    | Huntsville, TX   | East Texas Medical Center-Trinity      | 287000   | 284                             | 22                             | 8.48                                   | 0.79                                  | Lower than expected                     |
| <b>Upshur</b>     | Longview, TX   | East Texas Medical Center-Gilmer       | 806800   | 285                             | 21                             | 11.10                                  | 0.56                                  | Much lower than expected                |
| <b>Uvalde</b>     | Uvalde, TX   | Uvalde Memorial Hospital               | 063000   | 1,523                           | 64                             | 4.89                                   | 0.67                                  | Much lower than expected                |
| <b>Val Verde</b>  | Del Rio, TX  | Val Verde Regional Medical Center      | 462000   | 2,659                           | 60                             | 3.46                                   | 0.49                                  | Much lower than expected                |
| <b>Victoria</b>   | Victoria, TX   | Citizens Medical Center                | 064000   | 6,084                           | 331                            | 6.00                                   | 0.84                                  | Lower than expected                     |
|                   |  | DeTar Hospital-Navarro                 | 453000   | 7,054                           | 409                            | 5.08                                   | 0.98                                  | About as expected                       |
| <b>Walker</b>     | Huntsville, TX   | Huntsville Memorial Hospital           | 061000   | 3,606                           | 277                            | 5.92                                   | 1.19                                  | Higher than expected                    |
| <b>Washington</b> | Brenham, TX  | Baylor Scott & White Hospital-Brenham  | 066000   | 871                             | 16                             | 3.70                                   | 0.54                                  | Much lower than expected                |

| Hospital County   | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                                      | THCIC<br>ID                   | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-------------------|--|--|-------------------------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Webb</b>       | Laredo, TX   | Doctors Hospital-Laredo                            | 301000                        | 8,373                                 | 256                                  | 3.45   | 0.89   | Lower than expected                            |
|                   |  | Laredo Medical Center                              | 207001                        | 13,126                                | 600                                  | 4.40   | 1.16   | Higher than expected                           |
| <b>Wharton</b>    | El Campo, TX   | El Campo Memorial Hospital                         | 426000                        | 230                                   | 17                                   | 7.58   | 0.86   | Lower than expected                            |
|                   |  | Gulf Coast Medical Center                          | 833000                        | 741                                   | 76                                   | 10.00  | 0.94   | About as expected                              |
| <b>Wichita</b>    | Wichita Falls, TX  | Electra Memorial Hospital                          | 490000                        | 279                                   | 34                                   | 7.74   | 1.59   | Much higher than expected                      |
|                   |  | Kell West Regional Hospital                        | 681400                        | 704                                   | 16                                   | 4.30   | 0.81   | Lower than expected                            |
|                   |  | United Regional Health Care System                 | 417000                        | 12,604                                | 718                                  | 6.38   | 0.81   | Lower than expected                            |
| <b>Williamson</b> | Austin-Round Rock, TX                                      | Baylor Scott & White Emergency Hospital Cedar Park | 101200                        | <i>lv</i>                             | <i>lv</i>                            | 4.07   | 0.00   | Much lower than expected                       |
|                   |  | Baylor Scott & White Medical Center Round Rock     | 852600                        | 3,444                                 | 60                                   | 6.40   | 0.21   | Much lower than expected                       |
|                   |  | Baylor Scott & White Medical Center Taylor         | 044000                        | 230                                   | 28                                   | 8.95   | 1.18   | Higher than expected                           |
|                   |  | Cedar Park Regional Medical Center                 | 858300                        | 3,633                                 | 162                                  | 3.95   | 0.92   | About as expected                              |
|                   |  | Round Rock Medical Center                          | 608000                        | 7,072                                 | 269                                  | 4.53   | 0.91   | About as expected                              |
|                   |  | Seton Medical Center Williamson                    | 861700                        | 5,190                                 | 363                                  | 7.11   | 0.94   | About as expected                              |
|                   |  | St Davids Georgetown Hospital                      | 835700                        | 3,829                                 | 130                                  | 3.41   | 0.96   | About as expected                              |
|                   |  | <b>Wilson</b>                                      | San Antonio-New Braunfels, TX | Connally Memorial Medical Center      | 433000                               | 587  | 57   | 7.75   |

| Hospital County | Metropolitan/<br>Micropolitan<br>Statistical<br>Area (MSA) | Hospital Name                              | THCIC<br>ID | Admissions<br>At<br>Risk <sup>a</sup> | Actual<br>PPR<br>Chains <sup>b</sup> | PPR<br>Chains/<br>100<br>Admits <sup>c</sup> | Actual-<br>to-<br>Expected<br>Ratio <sup>d</sup> | Actual-to-<br>Expected Ratio<br>Interpretation |
|-----------------|--|--|-------------|---------------------------------------|--------------------------------------|--|--|--|
| <b>Winkler</b>  | Not Available  | Winkler County Memorial Hospital           | 062000      | 77                                    | 5                                    | 7.23   | 0.60   | Much lower than expected                       |
| <b>Wise</b>     | Dallas-Fort Worth-Arlington, TX                            | Wise Health System (Medical Center Drive)  | 254001      | 3,397                                 | 187                                  | 6.15   | 0.91   | About as expected                              |
| <b>Wood</b>     | Not Available  | Christus Mother Frances Hospital Winnsboro | 446001      | 433                                   | 40                                   | 7.28   | 1.23   | Higher than expected                           |
|                 |  | East Texas Medical Center-Quitman          | 411000      | 630                                   | 56                                   | 7.10   | 1.00   | About as expected                              |

Source: *Texas Hospital Inpatient Discharge Research Data File, 2014*. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015.

## Appendix B: Methods

### B.1 Data

The data source for this report is *the Texas Hospital Inpatient Discharge Research Data File, 2014* (Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. August, 2015). The data elements used in this analysis include patient date of birth, admission and discharge dates, diagnoses and procedures, sources and types of admissions, length of stay, and patient discharge status.

### B.2 Identifying Admissions at Risk and PPRs

Admissions at risk and PPRs were identified using the 3M™ Core Grouping Software package. Admissions with missing or invalid identifying information were excluded prior to data analysis, because the 3M™ Core Grouping Software package requires these elements in order to process records. During data processing, the 3M™ software systematically excludes certain admissions from consideration as either admissions at risk or PPRs, due to their clinical complexity, likelihood of extensive follow-up care, or difficulty in determining whether admissions were clinically related. Records with data problems, such as mismatched birth dates or admission and discharge dates out of order are also excluded. Examples of admissions excluded by the 3M™ Core Grouping Software are:

- Admissions considered non-events, including admissions to hospital based hospice, long-term care, hospital based skilled nursing facilities, and admissions to acute-care hospitals for sub- or non-acute care conditions including hospital based rehabilitation;
- All other non-acute care admissions;
- Same-day transfers to an acute care hospital for non-acute care (e.g., hospice care);

- Pediatric admissions with certain diagnosis codes, such as seizures, poisoning, and certain infections;
- Admissions with chemotherapy or radiotherapy procedure codes, connective tissue disorders, coagulation/platelet disorders, or major/metastatic malignancy/advanced cancer diagnoses;
- Admissions with leukemia and lymphoma diagnoses;
- Admissions with a diagnosis of end stage chronic kidney disease; and
- Admissions with a discharge status of “left against medical advice or discontinued care,” because the intended care could not be completed.

Admissions that were transferred to another hospital for acute care could be considered PPRs, but are excluded from consideration as admissions at risk because the patient’s subsequent care was no longer under the control of the transferring hospital. Finally, admissions with a discharge status of “expired” are eligible to be PPRs, but are excluded from consideration as admissions at risk, because deceased patients cannot be readmitted.

## **B.3 PPR Methodology**

Calculation of PPRs, including adjustment for case mix, was conducted following logic recommended by 3M™. In calculating PPR statistics, PPR chains rather than individual readmissions were used as the numerator. The number of PPR chains was defined as the number of initial admissions that were followed by one or more clinically related readmissions (PPR events) for the same patient, with the first clinically related readmission occurring within a 30-day window and subsequent clinically related readmissions occurring at any time. The number of admissions at risk was defined as the total number of acute-care inpatient hospital admissions, not counting PPRs and excluded admissions, such as those listed in the methods section above. Admissions at risk were used as the denominator.

As per the 3M™ PPR methodology, the PPR summary statistic is expressed as a percentage (i.e., occurrences per 100 events) and is calculated by dividing the actual number of PPR chains by the number of admissions at risk and multiplying by 100.

For example, if in a given year, 100 non-excluded admissions occurred in a certain hospital and five (5) were followed by one or more non-excluded clinically-related readmissions within a 30-day interval, then at 30-day readmission interval, the number of PPR chains per 100 at-risk admissions for the hospital would be  $(5/100) \times 100 = 5.0$ .

## **B.4 Expected Hospital PPR Chains**

In addition to actual PPR chains, expected PPR chains for each hospital were calculated. These are estimates of how many PPR chains a hospital could be expected to have, taking into account its particular case mix (a combination of APR-DRG, severity of illness [SOI], patient age groups, and mental health/substance abuse [MH/SA] comorbidity). Expected PPR chains were calculated using indirect standardization, based on the experience of Texas hospitals as a whole. First, a state norm was calculated for each APR-DRG and severity of illness category by summing the number of PPR chains in each category at the state level and dividing by the statewide sum of admissions at risk within the same category. Adjustment factors were then calculated for each MH/SA and age group as the ratio of actual to expected PPR chains in each group, based on the previously calculated APR-DRG and severity of illness norms. Next, for each hospital, the number of admissions at risk occurring within each APR-DRG and severity of illness category was multiplied by the corresponding state norm and an adjustment factor based on the number of admissions at risk occurring within each age group and MH/SA category. Finally, the number of expected PPR chains within each hospital was calculated by summing PPR chains across all APR-DRGs and severity of illness levels. The risk-adjusted PPR summary statistic for each hospital was calculated by dividing this sum by the number of admissions at risk in each hospital and multiplying by 100.

## **B.5 Actual-to-Expected Ratio**

To enable comparisons among hospitals, a PPR performance ratio was calculated for each hospital as the ratio of actual to expected PPR chains.

The Actual-to-Expected (A/E) ratio was calculated for each hospital as the actual hospital PPR chains divided by the expected hospital PPR chains.

The A/E ratio compares the actual number of PPR chains against the expected number of PPR chains in each hospital. Hospitals with an A/E ratio less than 1.0 had a number of PPR chains that was lower than expected based on their case mix, whereas hospitals with an A/E ratio greater than 1.0 had a number of PPR chains that was higher than expected, given their particular mix of cases.

## Appendix C: Definitions

**Actual-to-expected (A/E) Ratio** — The ratio of actual to expected PPR chains. The expected PPR chains were derived from base APR-DRG, severity of illness, patient age, and the presence or absence of a major mental health or substance abuse diagnosis.

**Admissions at risk** — All initial admissions that are at risk for potentially preventable readmissions, excluding admissions meeting the criteria for exclusion as listed in the 3M PPR Methodology.

**APR-DRG** — A 3M™ All Patient Refined Diagnosis Related Group classification system that classifies patients according to reason for admission, severity of illness (4 levels), and patient characteristics. The APR-DRG classification system is designed for use with all types of patients, and is formatted as, for example, 000-0, where the first three digits indicate the base Diagnosis Related Group (DRG) and the fourth digit indicates the severity of illness.

**Case mix** — A mix of patients treated during the reporting time period. The mix considers patient age groups, severity of illness, and mental health status/substance abuse as defined by 3M™.

**Clinically related** — A requirement that the underlying reason for admission or readmission be related to the care rendered or diagnosis identified during a prior hospital admission.

**Hospital readmission** — A return hospitalization to an acute care hospital that occurs shortly after a discharge from another or same hospital. Readmission is most often measured within specific number of days (seven, 15 or 30 days), and may be a result of problems inadequately addressed in the prior hospitalization.

**Mental health status** — A 3M™ calculated variable which contains major mental health and/or substance abuse diagnoses codes as defined by 3M™ (2011).

**Norm** – Standard or average level of performance.

**Potentially preventable readmission** — A return admission that occurs within a readmission interval, and is clinically related to a prior admission. The readmission may be for the same or a related condition. If the readmission was planned (e.g., major metastatic cancer), unavoidable (e.g. HIV/AIDS), involves patient compliance issues (e.g. left without medical advice), or was clearly unrelated (e.g., hip fracture after heart attack), the readmission is not considered to be a PPR.

**Readmission interval** — The maximum number of days allowed between the discharge date of an initial inpatient admission and the admission date of next inpatient admission.

**Severity of illness (SOI)** — The extent of physiologic or functional deterioration of a working structure or system. For each base APR-DRG, SOI is indicated by values from 1 to 4, such that an APR-DRG-4 is more likely to be readmitted than a patient with an APR-DRG-1. In addition, SOI describes the seriousness of the patients' illnesses and the risk of adverse outcome to treatment choices. The levels of severity are: 1 - Minor, 2 – Moderate, 3 - Major and 4 – Extreme.

## Appendix D: References

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