**Appendix A**

**Centers for Medicare and Medicaid Services (CMS) Inpatient Quality Programs**

1. Value Based Purchasing (VBP) score assigned based on better of two metrics
* Performance compared to Threshold (Median Standardized Infection Ratio [SIR]) and Benchmark (top decile SIR)
* Performance compared to one facility’s baseline performance
1. Hospital-Acquired Condition Reduction Program (HACRP): Surgical Site Infection (SSI) SIR is part of Domain 2 (Healthcare-Associated Infections [HAI])
* In addition to colon surgery (COLO) and abdominal hysterectomy (HYST), central line-associated blood stream infection (CLA-BSI) and catheter-associated urinary tract infection (CA-UTI) are in the same metric
* Domain 2 constitutes 65% of the overall HACRP score (the remaining 35% is the Patient Safety Indicator (PSI)-90 score\*
* Facilities in the top quartile (worst performing) based on HACRP score will receive penalty of 1% of total Medicare payments
* Performance period is proposed to be January 1, 2013 through December 2014 for the fiscal year (FY) 2016 payment year

\*PSI-90 includes: pressure ulcer, iatrogenic pneumothorax, CLA-BSI, hip fracture rate, postoperative pulmonary embolism/deep venous thrombosis, sepsis rate, wound dehiscence rate, accidental puncture

Reporting Structure for hospital acquired conditions (HAC) based on:

* Calendar year (CY) 2013, only CLA-BSI and CA-UTI
* CY 2014, CLA-BSI, CA-UTI, COLO, HYST
* CY 2015 all CMS required HAIs reported
* FY 2017 penalties will include all CMS HAIs in equation.

**Appendix B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Institution** | **NHSN SIR Model** | **CDPH SIR Model** | **CMS SIR Model** |
| **NHSN SIR** | **# P** | **# O** | **# E** | **P value** | **95% CI** | **CDPH SIR** | **# P** | **# O** | **# E** | **P value** | **95% CI** | **CMS SIR** | **# P** | **# O** | **# E** | **p-value** | **95% CI** |
| 1 | 0.00 | 49 | 0 | 3 | 0.04 | , 0.92 | 0.00 | 49 | 0 | 2 | 0.20 |  , 1.92 | 0.00 | 49 | 0 | 2 | 0.22 | -, 1.96 |
| 2 | 0.44 | 213 | 7 | 16 | 0.01 | 0.19, 0.87 | 0.84 | 213 | 6 | 7 | 0.84 | 0.34,1.74 | 0.88 | 213 | 6 | 7 | 0.88 | 0.36, 1.82 |
| 3 | 0.52 | 150 | 4 | 8 | 0.17 | 0.16, 1.25 | 0.70 | 150 | 3 | 4 | 0.58 | 0.18, 1.90 | 0.82 | 150 | 4 | 5 | 0.75 | 0.26, 1.98 |
| 4 | 0.65 | 219 | 8 | 12 | 0.22 | 0.30, 1.24 | 0.29 | 219 | 2 | 7 | 0.40 | 0.04, 0.96 | 0.31 | 218 | 2 | 6 | 0.06 | 0.05, 1.02 |
| 5 | 0.69 | 270 | 13 | 18 | 0.18 | 0.38, 1.16 | 0.80 | 270 | 9 | 11 | 0.52 | 0.39, 1.46 | 1.11 | 270 | 9 | 8 | 0.72 | 0.54, 2.04 |
| 6 | 0.76 | 293 | 20 | 26 | 0.21 | 0.48, 1.15 | 1.34 | 280 | 16 | 12 | 0.25 | 0.79, 2.12 | 1.58 | 272 | 16 | 10 | 0.82 | 0.94, 2.52 |
| 7 | 0.97 | 80 | 4 | 4 | 1.00 | 0.30, 2.34 | 1.32 | 80 | 3 | 2 | 0.59 | 0.34, 3.58 | 0.93 | 78 | 3 | 3 | 0.97 | 0.24,2.53 |
| 8 | 1.00 | 317 | 22 | 22 | 1.00 | 0.64, 1.48 | 1.20 | 311 | 16 | 13 | 0.46 | 0.71, 1.90 | 1.44 | 301 | 16 | 11 | 0.16 | 0.85,2.30 |
| 9 | 1.00 | 384 | 31 | 31 | 0.96 | 0.69, 1.40 | 1.21 | 384 | 19 | 16 | 0.40 | 0.75, 1.86 | 1.70 | 350 | 20 | 11 | 0.27 | 1.07, 2.58 |
| 10 | 1.04 | 330 | 30 | 29 | 0.82 | 0.71, 1.46 | 1.54 | 330 | 22 | 14 | 0.05 | 0.99, 2.30 | 2.14 | 330 | 23 | 11 | 0.00 | 1.38,3.15 |
| 11 | 1.20 | 92 | 6 | 5 | 0.60 | 0.49, 2.52 | 2.68 | 92 | 6 | 2 | 0.03 | 1.08, 5.58 | 2.06 | 92 | 6 | 3 | 0.10 | 0.84, 4.30 |
| 12 | 1.22 | 122 | 9 | 7 | 0.53 | 0.59, 2.24 | 0.46 | 122 | 2 | 4 | 0.26 | 0.08, 1.51 | 0.76 | 122 | 3 | 4 | 0.70 | 0.20,2.08 |
| 13 | 1.24 | 173 | 11 | 9 | 0.46 | 0.65, 2.16 | 1.60 | 173 | 8 | 5 | 0.20 | 0.74, 3.05 | 1.66 | 173 | 9 | 5 | 0.14 | 0.81, 3.06 |
| 14 | 1.42 | 684 | 69 | 49 | 0.00 | 1.11, 1.78 | 1.62 | 684 | 35 | 22 | 0.00 | 1.14,2.22 | 1.66 | 661 | 35 | 21 | 0.00 | 1.17,2.28 |
| 15 | 1.46 | 96 | 7 | 5 | 0.32 | 0.64, 2.99 | 1.17 | 96 | 3 | 3 | 0.72 | 0.30, 3.19 | 1.06 | 94 | 3 | 3 | 0.86 | 0.26, 2.88 |
| 16 | 1.48 | 353 | 30 | 20 | 0.04 | 1.02, 2.10 | 2.24 | 353 | 19 | 8 | 0.00 | 1.39, 3.44 | 1.86 | 353 | 21 | 11 | 0.01 | 1.18, 2.78 |
| 17 | 1.69 | 296 | 36 | 21 | 0.00 | 1.20, 2.32 | 2.30 | 296 | 21 | 9 | 0.00 | 1.46, 3.46 | 2.30 | 268 | 21 | 9 | 0.00 | 1.27, 3.22 |
| 18 | 2.24 | 93 | 15 | 7 | 0.00 | 1.30, 3.62 | 1.42 | 93 | 6 | 4 | 0.38 | 0.58,3.00 | 1.90 | 92 | 6 | 3 | 0.14 | 0.78, 4.00 |
| 19 | 2.26 | 123 | 15 | 7 | 0.00 | 1.13, 3.64 | 0.98 | 123 | 3 | 3 | 0.98 | 0.24, 265 | 1.02 | 123 | 4 | 4 | 0.90 | 0.32, 2.48 |
| 20 | 2.72 | 194 | 25 | 9 | 0.00 | 1.80, 3.96 | 2.24 | 194 | 9 | 4 | 0.03 | 1.09, 4.12 | 1.54 | 194 | 9 | 6 | 0.21 | 0.74, 2.82 |

CDPH: California Department of Public Health; CMS: Centers for Medicare and Medicaid Services; NHSN: National Healthcare Safety Network; SIR: standardized infection ratio; #E: number of expected surgical site infections (SSIs); #O: number of observed SSIs; #P: total number of procedures