

**Illinois Department of Healthcare and Family Services**  
**Potentially Preventable Readmissions (PPR) Analysis**  
**Facility: UNIVERSITY OF CHICAGO ID: 3023, 3466**  
**Exhibit 1: Facility-Specific Summary Report**

Note: Please refer to Appendix A for definitions of each row of data.

**I. Admission Breakdown**

| Admits | Description  |
|--------|--|
| 6,899  | (A) Total Admissions                                     |
| 95     | (B) Admissions with Errors (= 1.4% of Total)             |
| 2,863  | (C) Admissions Excluded (= C1 + ... + C10)               |
| 978    | (C1) Neonatal Admissions                                 |
| 1,016  | (C2) OB Admissions                                       |
| 471    | (C3) Malignancy Admissions                               |
| 39     | (C4) Left Against Medical Advice                         |
| 118    | (C5) Admission Transferred                               |
| 123    | (C6) Non-Event (e.g.: Rehab) Admission                   |
| 51     | (C7) Patient Died  |
| -      | (C8) HIV-Related Admissions                              |
| 6      | (C9) DRGs with Fewer than 5 Qualifying Admissions        |
| 61     | (C10) Other Exclusions                                   |
| 445    | (D) All Readmissions at Facility                         |
| 3,496  | (E) Qualifying Admissions (= A - B - C - D)              |
| 376    | (F) Admissions with Associated Readmissions (PPR Chains) |
| 3,120  | (G) Admissions with No Associated Readmissions (= E - F) |
| 534    | (H) Readmissions Due to PPR Chains (= H1 + H2)           |
| 277    | (H1) Occurring at Facility                               |
| 257    | (H2) Occurring at Other Facility                         |

**II. PPR Rates and Analysis**

| Admits and Rates |         |         | Description  |
|------------------|---------|---------|--|
| All Admits       | Non-BH  | BH      |  |
| 3,496            | 3,489   | 7       | (E) Qualifying Admissions  |
| 376              | 373     | 3       | (F) PPR Chains   |
| 10.76%           | 10.69%  | 42.86%  | (I) Actual PPR Rate (= F / E)  |
| 7.84%            | 7.84%   | 11.31%  | (J) Target PPR Rate  |
| 137.10%          | 136.40% | 378.87% | (K) Actual PPR Rate over Target PPR Rate (= I / J). (See Note)   |
| 102              |         |         | (L) PPR Chains in Excess of (or Below) Target (= [I - J] * E), rounded to the nearest whole number. (See Note) |

Note: Result may vary slightly when calculating (K) or (L) with the numbers displayed in (I) and (J) as the Actual and Target PPR rates used for this calculation are unrounded.

**III. PPR Rate Based Payment Reduction**

| Dollars        | Description   |
|----------------|---|
| \$ 4,741,952   | (M) Total Payments for Readmissions in PPR Chains                 |
| \$ 12,611.57   | (N) Average Readmission Payments per PPR Chain (= M / F)          |
| \$ 103,687,575 | (O) Total Payments for All Inpatient Admissions                   |
| \$ 1,286,380   | (P) Total Readmission Payments in Excess of Target (= N * L or 0) |
| \$ 7,258,130   | (Q) Payment Reduction Cap (= O * 7%)                              |
| \$ 1,286,380   | (R) Payment Reduction (= Lessor of P or Q)                        |

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**Exhibit 2: Facility-Specific Top Five APR-DRGs Ranked by the Difference Between the Number of Actual and Target PPR Chains**

Notes:

1. Please refer to Appendix A for definitions of each column of data.
2. The number of Target PPR Chains is rounded at the APR-DRG level for purposes of this exhibit. As such, it is possible for the number of Target PPR Chains to be less than one.
3. Only APR-DRGs with two or more qualifying admissions may be included in this exhibit.
4. If less than five APR-DRGs are displayed, there were not enough individual APR-DRGs with (a) two or more qualifying admissions, or (b) Excess PPR Chains (rounded to the nearest whole number).

| <b>APR-DRG</b> | <b>Description</b>   | <b>Total<br/>Admissions</b> | <b>Qualifying<br/>Admissions</b> | <b>PPR Chains</b> |               |               |
|----------------|--|-----------------------------|----------------------------------|-------------------|---------------|---------------|
|                |  |                             |                                  | <b>Actual</b>     | <b>Target</b> | <b>Excess</b> |
| 420            | Diabetes   | 71                          | 63                               | 15                | 5             | 10            |
| 021            | Craniotomy except for trauma                                       | 46                          | 36                               | 9                 | 4             | 5             |
| 197            | Peripheral & other vascular disorders                              | 26                          | 16                               | 7                 | 2             | 5             |
| 132            | BPD & oth chronic respiratory diseases arising in perinatal period | 41                          | 36                               | 5                 | 1             | 4             |
| 161            | Cardiac defibrillator & heart assist implant                       | 25                          | 20                               | 7                 | 3             | 4             |

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**Appendix A: Description of Row Values for Exhibit 1**

Notes: Rows E, F and I through L are divided into behavioral health and non-behavioral health subcategories, which are defined based on APR-DRG assignment (APR-DRGs for behavioral health are 740 through 776). This division is for informational purposes only.

| <b>Row</b>  | <b>Description</b>  |
|---|---|
| A. Total Admissions                               | <p>Admissions included in analysis, which represent Medical Assistance fee-for-service discharges (includes Medicaid, SCHIP and state-only funded programs) with dates of service in SFY 2010. These admissions exclude:</p> <ul style="list-style-type: none"> <li>• Managed care</li> <li>• Dual eligibles</li> <li>• Claims with a detox primary diagnosis code (detox readmissions fall under a separate HFS policy through Senate Bill 2840). The primary diagnosis codes used to identify these admissions are: <ul style="list-style-type: none"> <li>○ Alcohol detoxification: 291.0 – 291.9 except 291.82, 303.00-303.92, 305.00-305.2, and 790.3</li> <li>○ Drug detoxification: 292.0-292.9 except 292.85, 304.00-304.92, and 305.20-305.92</li> </ul> </li> <li>• Long Term Acute Care</li> <li>• Rehabilitation</li> </ul> <p><i>Note:</i> Zero paid claims are included for purposes of tracking complete PPR chains. Interim bills are merged into a single claim.</p> |
| B. Admissions with Errors                         | Admissions with errors as identified by 3M’s PPR software. See Table B following for a description of error types.  |
| C. Admissions Excluded                            | Admissions excluded from the PPR rate calculations. These exclusions are performed after the total admissions in (A) are run through the 3M software. Rows (C1) through (C10) provide a breakdown of the admissions by exclusion type.  |
| C1 – Neonatal Admissions                          | Admissions assigned a 3M record type of NT (neonatal)   |
| C2 – OB Admissions                                | <p>Admissions assigned one of the following APR-DRGs:</p> <ul style="list-style-type: none"> <li>540 OB Cesarean delivery</li> <li>541 OB Vaginal delivery w sterilization &amp;/or D&amp;C</li> <li>542 OB Vaginal delivery w complicating procedures exc sterilization &amp;/or D&amp;C</li> <li>544 OB D&amp;C aspiration curettage or hysterectomy for obstetric diagnoses</li> <li>545 OB Ectopic pregnancy procedure</li> <li>546 OB Other O.R. proc for obstetric diagnoses except delivery diagnoses</li> <li>560 OB Vaginal delivery</li> <li>561 OB Postpartum &amp; post abortion diagnoses w/o procedure</li> <li>563 OB Threatened abortion</li> <li>564 OB Abortion w/o D&amp;C aspiration curettage or hysterectomy</li> <li>565 OB False labor</li> <li>566 OB Other antepartum diagnoses</li> </ul>  |
| C3 – Malignancy Admissions                        | Admissions assigned a 3M record type of MM (major/metastatic malignancy) or MA (malignancy)   |
| C4 – Left Against Medical Advice                  | Admissions assigned a 3M record type of LA (left against medical advice)  |
| C5 – Admission Transferred                        | Admissions assigned a 3M record type of TA (transfer admissions)  |
| C6 – Non-Event (e.g., Rehab) Admission            | Admissions assigned a 3M record type of NE (non-event), which represent admissions to non-acute facilities and admissions to acute care hospitals for non-acute care (i.e., hospice). Rehabilitation claims fall into this category.  |
| C7 – Patient Died                                 | Admissions assigned a 3M record type of OD (only admission – died)  |
| C8 – HIV Related Admissions                       | Admissions assigned a 3M record type of HV (HIV APR-DRGs)   |
| C9 – DRGs with Fewer than 5 Qualifying Admissions | Admissions representing DRGs with fewer than five total qualifying admissions statewide   |
| C10 – Other Exclusions                            | Admissions representing exclusions for other reasons, for example, the presence of an error APR-DRG assignment. Admissions assigned a 3M record type of EE (error DRG), NM (other exclusion), or OG (other global exclusion).   |

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Notes: Rows E, F and I through L are divided into behavioral health and non-behavioral health subcategories, which are defined based on APR-DRG assignment (APR-DRGs for behavioral health are 740 through 776). This division is for informational purposes only.

| <b>Row</b>  | <b>Description</b>  |
|---|---|
| D. All Readmissions at a Facility                 | A count of all readmissions occurring at the facility, regardless of where the initial admission occurred that preceded the readmission. In contrast, Row H represents a count of readmissions attributable to this facility's PPR Chains.  |
| E. Qualifying Admissions                          | Total admissions, less admissions with errors, excluded admissions and readmissions (A-B-C-D)   |
| F. PPR Chains                                     | A count of admissions occurring at the facility that are followed by one or more clinically-related readmission within 30 days. 3M software designates these admissions as "initial admissions" (IAs) in a PPR chain. The clinically-related readmissions may occur at the same facility or a different facility.     |
| G. Admissions With No Associated Readmission(s)   | A count of the admissions occurring at the facility that have no clinically-related readmissions at the facility or other facilities. 3M software designates these admissions as "only admissions" or "OAs".  |
| H. Readmissions Associated with PPR Chains        | A count of readmissions that are part of the PPR chains attributed to the facility  |
| H1 – Occurring at Facility                        | The number of PPR chain readmissions that occur at the facility   |
| H2 – Occurring at Other Facility                  | The number of PPR chain readmissions occurring at a different facility  |
| I. Actual PPR Rate                                | The number of PPR Chains (F) divided by the number of qualifying admissions in study (E)  |
| J. Target PPR Rate                                | The number of target PPR chains divided by the number of qualifying admissions in study. The number of target PPR chains is set at 79 percent of the facility's case-mix adjusted statewide expected PPRs (including adjustments for the mix of patient by age and behavioral health status).                         |
| K. PPR Actual to Target Ratio                     | The Actual PPR Rate (I) divided by the Target PPR Rate (J)<br><br><i>Note: Result may vary slightly when calculating this number with the numbers displayed in Exhibit 1 as the actual and target PPR rates used for this calculation are unrounded.</i>  |
| L. PPR Chains In Excess (or Below) of Target      | The difference between the Actual PPR rate (I) and the Target PPR rate (J), multiplied by the qualifying admissions (E)<br><br><i>Note: Result may vary slightly when calculating this number with the numbers displayed in Exhibit 1 as the actual and target PPR rates used for this calculation are unrounded.</i> |
| M. Total Payments for Readmissions in PPR Chains  | Total Medical Assistance net liability attributable to readmissions associated with PPR Chains generated by this facility. Payments associated with the initial admissions of the chain are not included in this value.   |
| N. Average Readmission Payments per PPR Chain     | Total payments for readmissions in PPR chains (M) divided by the number of PPR chains (F)   |
| O. Total Payments for All Inpatient Admissions    | Total Medical Assistance allowed dollars for Total Admissions (A)   |
| P. Total Readmission Payments in Excess of Target | The average readmission payments per PPR chains (N) multiplied by the number of PPR chains in excess of target (L). This calculation is not performed if there are no PPR chains in excess of target in (L).  |
| Q. Payment Reduction Cap                          | Total payments for readmissions in PPR chains (M) multiplied by the statewide PPR cap of seven percent  |
| R. Payment Reduction                              | The lower of total readmission payments in excess of target (P) and the payment reduction cap (Q)   |

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Appendix A: Description of Row Values for Exhibit 1**

**Table B: 3M Error Code Values**

| <b>Error Code</b> | <b>Description</b>  |
|-------------------|---|
| 1                 | APR grouping error  |
| 9                 | Admissions after a patient has expired                          |
| 10                | Mismatched birth date   |
| 11                | Mismatched sex  |
| 12                | Dates out of order  |
| 13                | Mismatched DtoA   |
| 14                | Patient ID cannot be blank                                      |
| 15                | Birth date error  |
| 16                | Admit date error  |
| 17                | Discharge date error  |
| 30                | Invalid occurrence number                                       |
| 31                | Duplicate occurrence number                                     |
| 32                | Invalid chain number  |
| 40                | Exceeded max admissions   |
| 41                | Exceeded max chains   |
| 42                | Exceeded max admissions per chain                               |
| 99                | Patient admission excluded due to an error in another admission |