

CONNECTICUT HOSPITAL PAYMENT MODERNIZATION TRANSITION TO APR-DRGS

JULY 28, 2014

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Agenda

- Welcome and introduction.
- Methodology review.
- Key topics.
- Next steps.
- Questions and answers.



INTRODUCTION



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HOSPITAL PAYMENT MODERNIZATION PROJECT



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METHODOLOGY REVIEW

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Methodology Review General

| Topic | Approach |
|---|---|
| All Patient Refined Diagnosis Related Groups (APR-DRG) grouper version. | APR-DRG version 31. |
| APR-DRG implementation date. | Admissions on or after January 1, 2015. |
| Included hospitals. | General acute care hospitals. |
| Excluded hospitals. | Rehabilitation, psychiatric, long-term acute care, and other specialty hospitals. |
| Out-of-state and border hospitals. | APR-DRGs based on statewide average. |
| Included populations. | All populations paid for by the Connecticut Department of Social Services (DSS). |
| Excluded services. | Inpatient (IP) behavioral health for children. |
| Disproportionate share hospital (DSH). | DSH program payments will remain outside of the APR-DRG payment system. |
| Direct graduate medical education (GME). | GME payments will remain outside of the APR-DRG payment system. |

Methodology Review (cont'd) Weights

| Topic | Approach |
|--|---|
| Claim period for weight setting. | Calendar Year (CY) 2012 dates of service. |
| APR-DRG relative weight calculations. | Cost-based, adjusted to a common period. |
| Data used to estimate costs. | Inpatient claims data and Medicare cost report with period ending in CY2012, adjusted to a common period. |
| Estimated cost of each claim. | Hospital-specific crosswalk, if provided and validated; otherwise, standard crosswalk. |
| APR-DRG weight calculations for low-volume APR-DRGs. | Based on 3M standard APR-DRG weights. |

Methodology Review Weights (cont'd)

| Topic | Approach |
|---|---|
| How stable weights are determined. | Statistical test based on standard deviation, certainty factor and acceptable range. |
| How external weights are validated. | T-test to ensure external weight is reasonable or fallback to original calculated weight. |
| Discrepancies in clinical cohesiveness. | Inconsistencies with level of severity weights adjusted to a weighted average from within the weight set. |
| Same day stays. | Same day stays excluded from data for weight setting. |
| Transfers. | Transfers excluded from data for weight setting. |

Methodology Review (cont'd) Rates

| Topic | Approach |
|--|---|
| Claim period and reconciliation period. | CY2012 paid claims and 2012 reconciliation. |
| Base rate determination. | Hospital-specific base rates with revenue neutral targets. |
| Capital and operating costs. | Capital and operating costs will be combined to form a single base rate. |
| Hospital based physicians. | Hospital based physicians will bill directly under the professional fee schedule. |
| Indirect medical education (IME) factor. | Rate adjustment factor based on Medicare formula. |
| Documentation and coding improvements (DCI). | 5% DCI adjustment factor to be set aside as a reserve. |

Methodology Review (cont'd) Pricing Logic

| Topic | Approach |
|---|---|
| Outlier methodology. | Cost outlier with statistical basis with minimum threshold. |
| Transfers. | Double pay first day and prorate remainder based on the number of days on the claim compared to the average length of stay (ALOS) of the APR-DRG. |
| Indemnity payments — Third Party Liability (TPL). | No change to current process, except allowed amount will be based on a APR-DRG, not per diem. |
| Partial eligibility/spend down. | Pay a per diem (APR-DRG payment divided by ALOS) for eligible days, not to exceed the APR-DRG payment. |
| Crossover claims. | No change to current process. |

Methodology Review Pricing Logic (cont'd)

| Topic | Approach |
|-------------------------------------|---|
| Hospital acquired conditions (HAC). | For a selected group of HACs the claim allowed amount will be calculated without consideration of the HAC. If the claim is eligible for an outlier payment, the cost used to calculate the outlier payment will be reduced to reflect the HAC cost. |
| Transplants. | Transplants will be paid using standard APR-DRG methodology. |
| Organ acquisition costs. | Heart, lung, pancreas, liver, and kidney organ acquisition costs will be paid in addition to the APR-DRG payment. |
| IP behavioral health (adult). | Hospital specific behavioral health per diem rate if distinct part unit (DPU) identified. Otherwise pay using APR-DRG system. |
| IP behavioral health (child). | Hospital specific behavioral health per diem child rate. |
| Physical rehabilitation. | Hospital specific rehab per diem rate if DPU identified. Otherwise pay using APR-DRG system. |

KEY TOPICS

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Key Topics

- Target development.
- Inpatient behavioral health and rehabilitation claims.
- Documentation and coding improvements.
- APR-DRG payment example.
- Pro forma calculation.

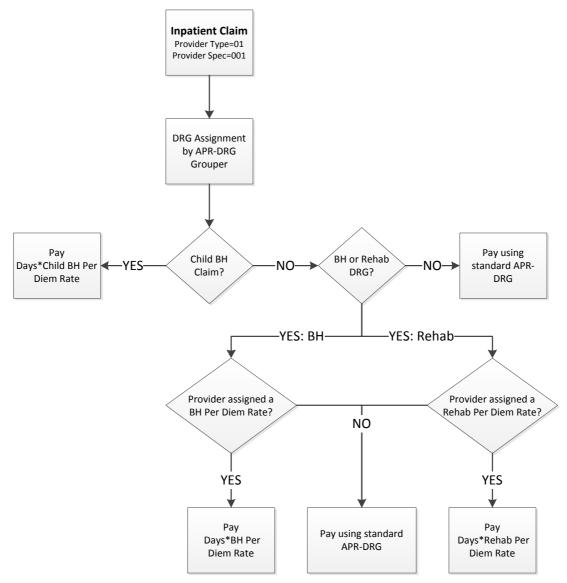
Key Topics (cont'd) Target Development

| Item from 2012 Reconciliation | Include in Target? | Notes |
|--|--------------------|--|
| Lower of 1) target amount or 2) IP operating costs (excluding capital, provider-based physicians and medical education). | Υ | 2012 adult behavioral health and rehab will be separately identified. Child behavioral health is not included. |
| Capital-related costs for Medicaid inpatient routine and ancillary services. | Y | Capital costs based on 2012 reconciliation amounts. |
| Program provider-based physician costs. | N | Transitioning to direct billing under the professional fee schedules. |
| Organ acquisition costs (kidney, heart, and liver). | N | Heart, lung, pancreas, liver, and kidney organ acquisition costs will be paid outside of the APR-DRG system. |
| Heart and liver transplants. | Υ | Transplants will be paid via APR-DRG. |
| Costs for burn units certified by the American Burn Association. | Y | Burn admissions will be paid via APR-DRG. |
| Direct GME Payments. | N | GME will be handled as a separate calculation and payment. |
| Indemnity payments — other party payors. | N | TPL recoveries will be removed at the time of claims adjudication. |
| Hospital acquired condition (HAC) payment adjustment. | N | Claims will be reduced for HAC at the time of claims adjudication. |

Key Topics (cont'd) Inpatient Behavioral Health and Rehab

- Behavioral health and rehab have more variability in length of stay and cost per discharge.
- APR-DRG methods are less accurate for these cases.
- Even standard outlier approaches are not adequate.
- For these cases, DSS will pay a per-diem rate.
- Details:
 - Hospitals that report to Medicare using DPU will be paid per-diem rates derived from the Medicare Cost Reports.
 - Hospitals that do not report using DPU will be paid using APR-DRG.
 - Out of state hospitals will receive the statewide average per-diem payment.

Key Topics Inpatient Behavioral Health and Rehab (cont'd)



Key Topics (cont'd) Documentation and Coding Improvement

- When coding is based on diagnosis and procedure, coding improves.
- As coding improves, for the same level of care, measured acuity may increase.
- Increases in acuity cause increased payments.
- This project is designed to be revenue neutral:
 - Without consideration of expected coding improvement, payments will likely exceed revenue neutrality.
 - Medicare and other states have built DCI factors into similar implementations.
- To ensure revenue neutrality, DSS will build in a DCI adjustment of 5%, but will track this amount as a reserve, and after the first year of payment, any excess will be returned to the hospitals on a prorated basis.

Key Topics Documentation and Coding Improvement (cont'd)

- What about increases in acuity that are not an artifact of improved coding?
 - As more care is transitioned to outpatient settings, isn't there a corresponding increase in the acuity of the cases left in the inpatient setting?
- Derivation of real acuity increase for DCI analysis:

| | 2008 | 2009 | 2010 | 2011 | 2012 |
|----------------------------------|--------|--------|--------|--------|--------|
| Total Case Mix Index, All Payers | 1.2745 | 1.2903 | 1.2957 | 1.3202 | 1.324 |
| Annual Increase | | 101.2% | 100.4% | 101.9% | 100.3% |
| Average Annual Increase 2-year | | | 100.8% | 101.2% | 101.1% |
| Average Annual Increase 3-year | | | | 101.2% | 100.9% |
| Average Annual Increase 4-year | | | | | 101.0% |

Annual Report on the Financial Status Of Connecticut's Short Term Acute Care Hospitals for Fiscal Year 2011 and 2012; State of Connecticut Department of Public Health Office of Health Care Access; September 2012 and 2013; page 18 and page 22.

Key Topics Documentation and Coding Improvement (cont'd)

• How will the calculation work?

| Example One — Coding Improvement Less than Expected | | |
|--|-------|--|
| 2015 aggregate Case Mix Index (CMI) | 1.05 | |
| 2015 allowable aggregate CMI | 1.03 | |
| 2015 coding improvement (1.05–1.03) | 0.02 | |
| Expected year one coding improvement | 0.05 | |
| Coding improvement above/below expected (refund 3% to hospitals) | -0.03 | |
| Example Two — Coding Improvement Greater than Expected | | |
| 2015 aggregate CMI | 1.10 | |
| 2015 allowable aggregate CMI | 1.03 | |
| 2015 coding improvement (1.10–1.03) | 0.07 | |
| Expected year one coding improvement | 0.05 | |
| | | |

Key Topics (cont'd) Revenue Neutral Pro Forma Calculation

| Item from 2012 Reconciliation | Include in Target? | Notes |
|--|--------------------|--|
| Lower of 1) target amount or 2) IP operating costs (excluding capital, provider-based physicians and medical education). | Y | 2012 adult behavioral health and rehab will be separately identified. Child behavioral health is not included. |
| Capital-related costs for Medicaid inpatient routine and ancillary services. | Y | Capital costs based on 2012 reconciliation amounts. |
| Program provider-based physician costs. | N | Transitioning to direct billing under the professional fee schedules. |
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Key Topics (cont'd) APR-DRG Payment Example



- Hospital-specific APR-DRG payment examples will be provided with release of hospital rates.
- Payment example includes payment adjustments for transfers and outliers.
- Proposed outlier threshold maximum of \$35,000 and Raw Average Cost of APR-DRG + 1.96 * Standard Deviation.
- Outlier payment percentage likely to fall in range of 70%–80% based on modeled inlier and outlier payments (Medicare pays 80%).
- Excel Exhibit.

NEXT STEPS

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Next Steps

- Operational changes.
- Inpatient timeline.
- Questions.

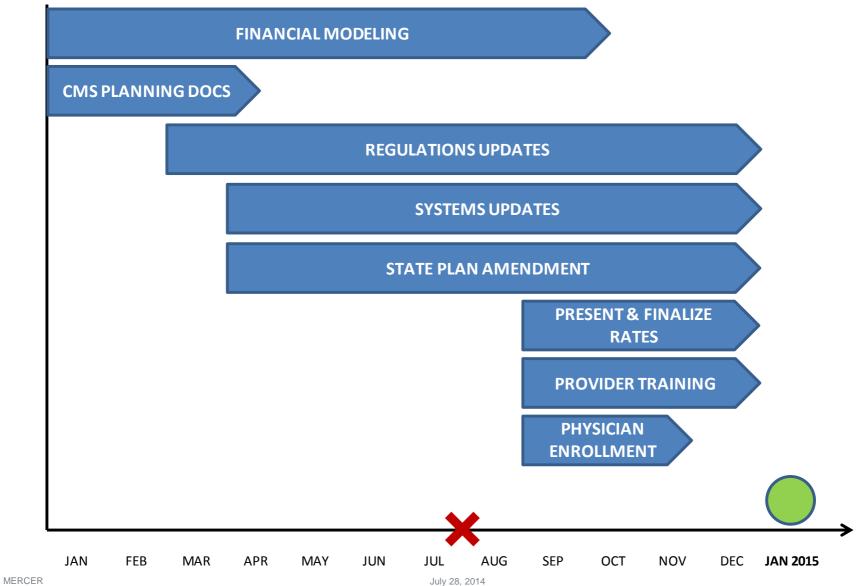


Next Steps (cont'd) Operational Changes

- Complete enrollment of physicians.
- Attend HP training for billing changes.
- Update billing systems.
- Plan for elimination of annual cost settlement process fiscal year 2016.



Next Steps (cont'd) Inpatient Timeline



Resources

Connecticut Department of Social Services Reimbursement Modernization Website:

http://www.ct.gov/dss/cwp/view.asp?a=4598&q=538256

Connecticut Medical Assistance Program Website:

www.ctdssmap.com



QUESTIONS?



Please address any additional questions in writing to:

Kate McEvoy, DSS Medicaid Director 55 Farmington Avenue Hartford, CT 06105





Connecticut Department of Social Services Example Revenue Neutrality Calculation

add: Hospital-Specific Behavioral Health Payments

Hospital-Specific Revenue Neutral Target Payments

Total Hospital-Specific Acute Care Payments add: Hospital-Specific DCI Reserve

| Example Revenue Neutrality Calculation | | |
|--|-----|-----------------------|
| Part Iv. 4 | | |
| Data Inputs Henrital Specific Revenue Neutral Target Revenues | Г | 000 000 |
| Hospital-Specific Revenue Neutral Target Payments Hospital-Specific Number of Discharges | - | \$20,000,000 2,910 |
| Documentation and Coding Improvements (DCI) Reserve % | - | 5% |
| Hospital Specific Case Mix Index (CMI) | | 0.9233 |
| Hospital-Specific Indirect Medical Education (IME) Factor | F | 0.1101 |
| Hospital-Specific Calculated Outlier Payments | | \$950,000 |
| Hospital-Specific Number of Behavioral Health Days | | 4,500 |
| Hospital-Specific Number of Rehab Days | | 750 |
| Hospital-Specific Behavioral Health Per Diem Rate | | \$1,250 |
| Hospital-Specific Rehab Per Diem Rate | | \$875 |
| | | |
| Step 1: Calculate Estimated Behavioral Health Payments | | |
| Hospital Specific Rehavioral Health Per Diem Pate | | \$1,250 |
| Hospital-Specific Behavioral Health Per Diem Rate multiply: Hospital-Specific Number of Behavioral Health Days | v | 4,500 |
| Hospital-Specific Behavioral Health Payments | X | 5,625,000 |
| Hospital-opecific behavioral Health Layments | - 、 | 5,025,000 |
| Step 2: Calculate Estimated Rehab Payments | | |
| Hospital-Specific Rehab Per Diem Rate | | \$875 |
| multiply: Hospital-Specific Number of Rehab Days | х | 750 |
| Hospital-Specific Rehab Payments | = 5 | |
| | | |
| Step 3: Calculate Hospital-Specific DCI Reserve | | |
| Hospital-Specific Revenue Neutral Target Payments | | \$20,000,000 |
| subtract: Hospital-Specific Behavioral Health Payments | - | \$5,625,000 |
| subtract: Hospital-Specific Rehab Payments | - | \$656,250 |
| Hospital-Specific Revenue Neutral Target less Behavioral Health and Rehab | = | \$13,718,750 |
| multiply: DCI Reserve % | Х | 5% |
| Hospital-Specific DCI Reserve | = | \$685,938 |
| | | |
| Step 4: Calculate Hospital-Specific APR-DRG Base Rate | | |
| Hospital-Specific Revenue Neutral Target Payments | | \$20,000,000 |
| subtract: Hospital-Specific Behavioral Health Payments | - | \$5,625,000 |
| subtract: Hospital-Specific Rehab Payments | - | \$656,250 |
| subtract: Hospital-Specific DCI Reserve | - | \$685,938 |
| subtract: Hospital-Specific Calculated Outlier Payments | | \$950,000 |
| Hospital-Specific Inlier Portion Revenue Neutral Target Payments | = | \$12,082,813 |
| divide by: Hospital-Specific CMI | / | 0.9233 |
| divide by: 1 + Hospital-Specific IME | / | 1.1101 |
| divide by: Hospital-Specific Number of Discharges | | 2,910 |
| Hospital-Specific APR-DRG Base Rate | | \$4,051 |
| Step 5: Revenue Neutral Target Check | | |
| Hospital-Specific Number of Discharges | | 2,910 |
| multiply: Hospital-Specific APR-DRG Base Rate | x | 2,910 \$4,051 |
| multiply: Hospital-Specific CMI | X | 0.9233 |
| multiply: 1 + Hospital-Specific IME | X | 1.1101 |
| Hospital-Specific Inlier Portion Revenue Neutral Target Payments | = | \$12,082,813 |
| add: Hospital-Specific Calculated Outlier Payments | + | \$950,000 |
| add: Hospital-Specific Rehab Payments | + | \$656,250 |
| | | |

DRAFT: 7/24/2014

\$5,625,000

\$19,314,063 \$685,938

\$20,000,000

Connecticut APR-DRG Payment Example, SFY 2014

Inpatient Claims, APR-DRG Grouper

Hospital Information

Sample (SELECT HOSPITAL)

Medicare # Medicaid #

070000 004041000

APR-DRG (Select from Dropdown): Severity Level (Select from Dropdown):

626 1 - Minor

Claim Information

APR-DRG 626-1

Neonate Bwt 2000-2499g, Normal Newborn or Neonate W Other Problem

Discharge Status (Select from Dropdown)

01 **Discharge Code**

Discharged Alive

Length of Stay (Enter)

Total Charges (Enter):

Non-Covered Charges (Enter):

2

\$12,000.00 \$3,000.00

Total Payment Less TPL

\$1,285.96

Third Party Liability (Enter): \$0.00

APR-DRG Payment Determination

Hospital-Specific APR-DRG Base Rate

\$4,500.00

3

0.490000

\$1,285.96

Multiply: 1 + Hospital-Specific IME Factor 1.0800 Hospital-Specific APR-DRG Payment Rate \$4,860.00 Multiply: APR-DRG Weight 0.2646 Hospital-Specific APR-DRG Base Payment \$1,285.96

Transfer Adjustment (if applicable) Length of Stay + 1

Divide: APR-DRG ALOS 2.68 Ratio of (LOS+1)/APR-DRG LOS (maximum 1.00) 1.00

Multiply: Hospital-Specific APR-DRG Base Payment \$1,285.96 Hospital-Specific APR-DRG Transfer Base Payment (if applicable) \$1,285.96

Outlier Add-On Determination

Total Charges \$12,000.00 Subtract: Non-Covered Charges \$3,000.00 \$9,000.00 **Allowed Charges**

Multiply: Hospital-Specific Cost-to-Charge Ratio Hospital-Specific Estimated Cost \$4,410.00 Subtract: APR-DRG Outlier Threshold \$35,000.00 Hospital-Specific Cost Above APR-DRG Threshold \$0.00

Multiply: Outlier Payment Percentage 80% Hospital-Specific Outlier Add-On Payment \$0.00 Subject to Change - Outlier Threshold = Maximum (\$35,000 and Raw Avg Cost of APR-DRG +

Subject to change - Medicare pays 80% which results in 5-7% in outlier payments.

Total Payment Calculation

Final Payment to Hospital

Hospital-Specific APR-DRG Base Payment (with transfer adjustment if applicable) \$1,285.96 Add: Hospital-Specific Outlier Add-On Payment \$0.00 Hospital-Specific APR-DRG Total Payment \$1,285.96 Subtract: Third Party Liability \$0.00

7/25/2014