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Select Committee on Quality Improvement in State Hospitals

Hospital Care Measures

Alice Huber, PhD

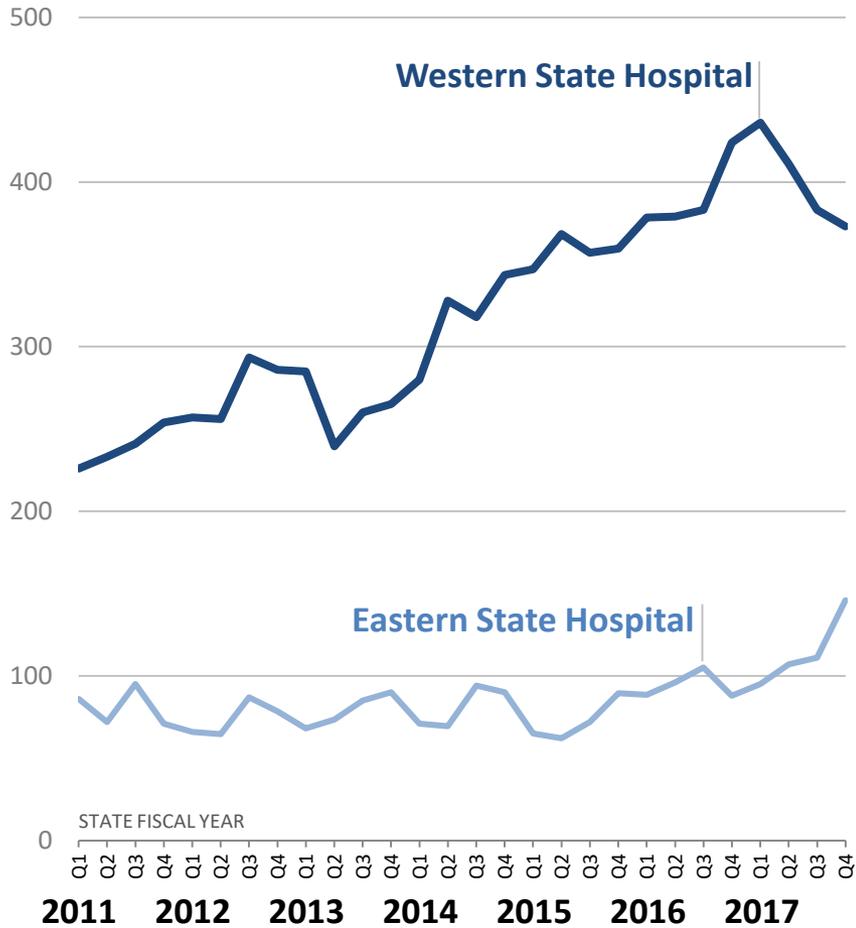
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October 30, 2017

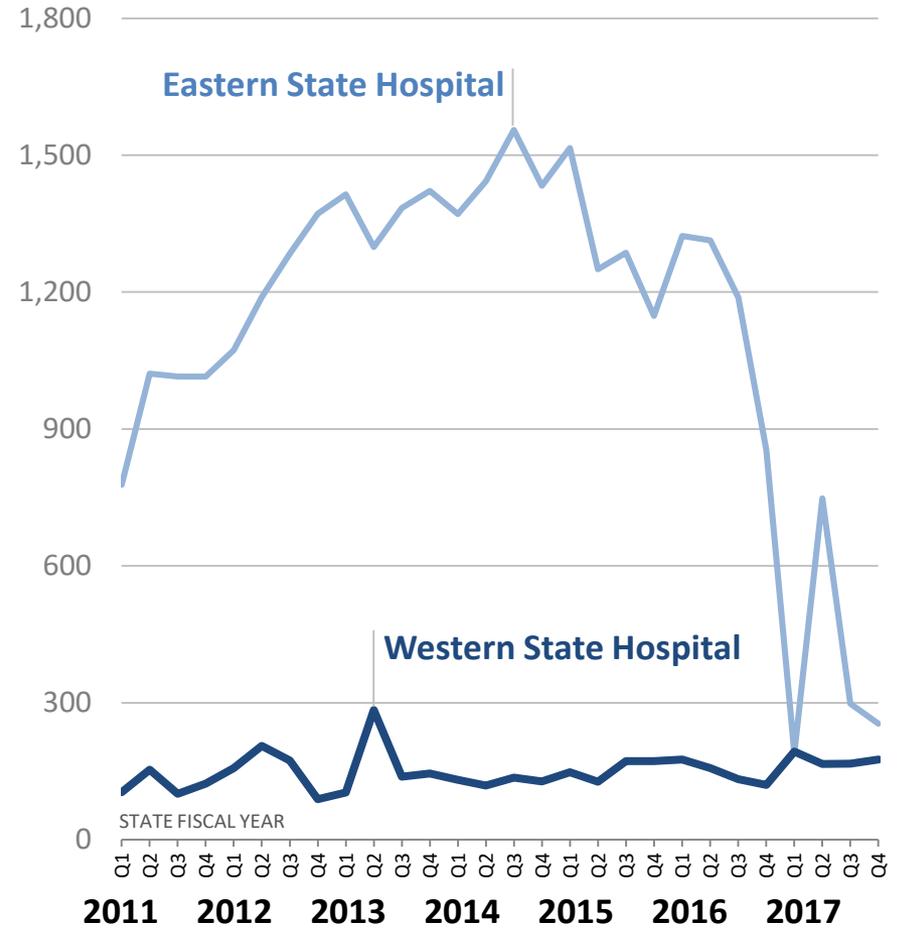
State Hospital Median Length of Stay by Fiscal Year Quarter and Legal Status

Excludes time spent in other inpatient facilities prior to admission at the hospital.

MEDIAN DAYS – CIVIL



MEDIAN DAYS – FORENSIC



DETAIL: Residential days at the hospital on the first day of each fiscal quarter. No prior inpatient days at Evaluation and Treatment or Community Hospital are counted in the Length of Stay. Legal status reported for the first day of the quarter. Patients who change status (e.g. Forensic to Civil) have their LOS continued in the new status and are reported based on their legal status on the reporting date.

SOURCE: DSHS Research and Data Analysis Division, Integrated Client Databases, September 2017. BHSS SH Daily Census.

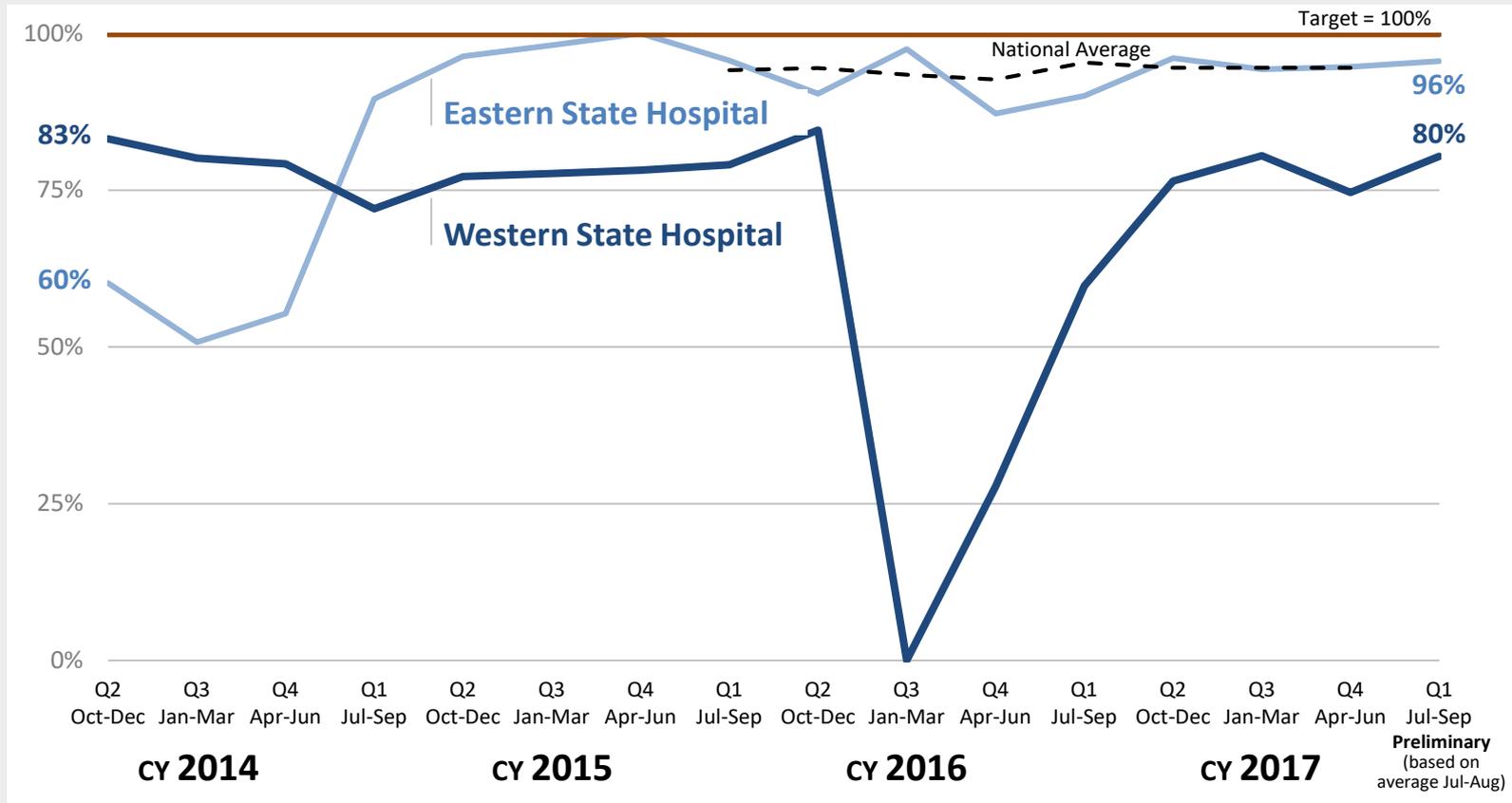
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PART 2 State Hospital Care Measures

Overall rates of admission screening for risk of violence to self, risk of violence to others, substance use, psychological trauma history, and patient strengths at Eastern State Hospital and Western State Hospital



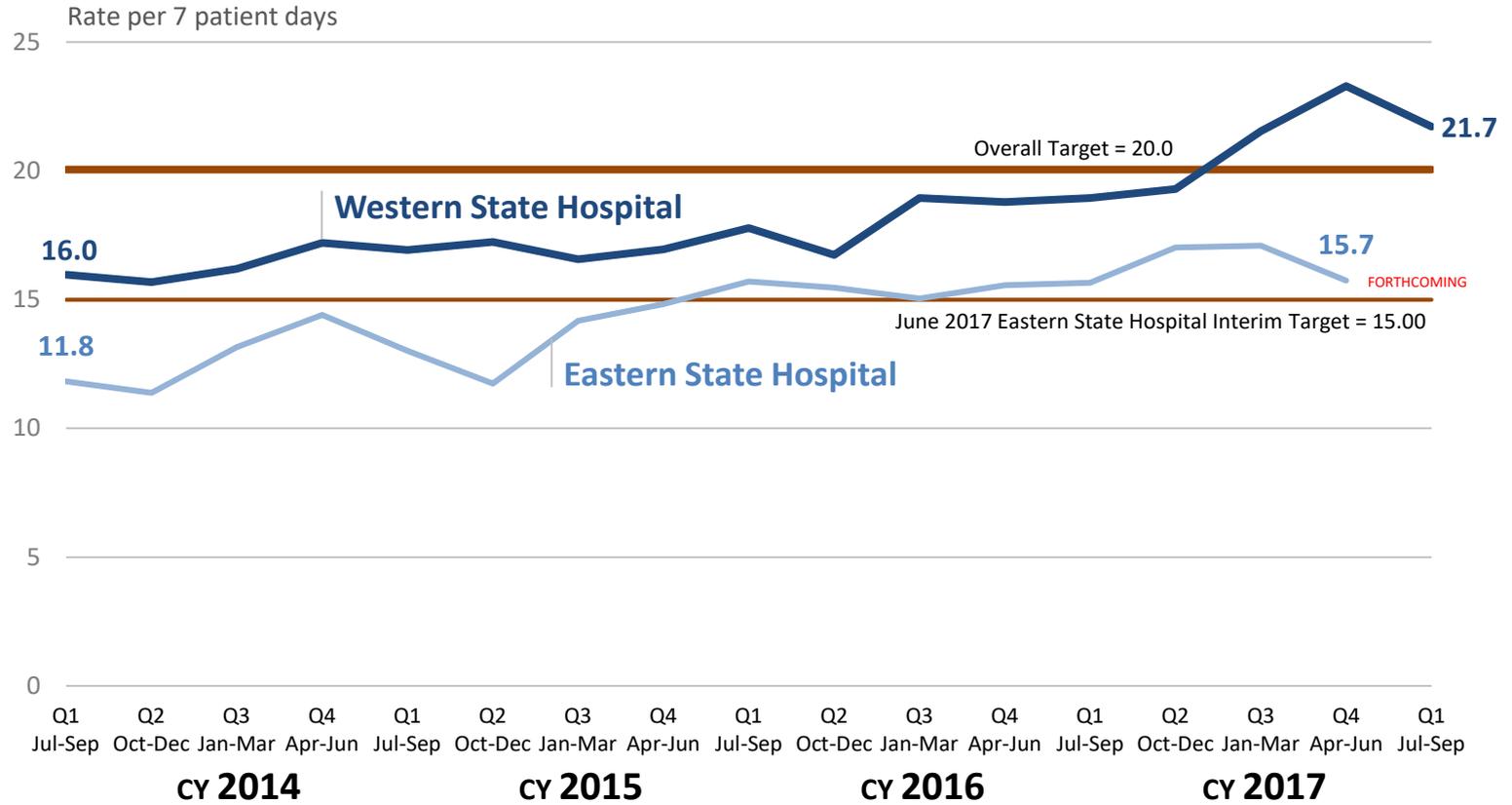
DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital. National average from NRI’s HBIPS Comparative Statistics Report (HAP and BHC).

MEASURE DEFINITION: Overall rates of multi-factor admission screening conducted by the third day post admission. Measure is calculated when patient is discharged.

DATA NOTES: 1 Overall rate calculations: Numerator = Psychiatric inpatients with admission screening by the third day post admission for all of the following: a) risk of violence to self, b) risk of violence to others, c) substance use, d) psychological trauma history, and e) patient strengths. Denominator = All psychiatric inpatient discharges. 2 Included populations in the denominator are patients with ICD-9-CM Principal or Other Diagnosis Codes for Mental Disorders. 3 2016 Q3 reflects a change to the screening form data which was required by CMS.

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Quarterly rates of active treatment hours delivered per 7 patient days at Eastern State Hospital and Western State Hospital



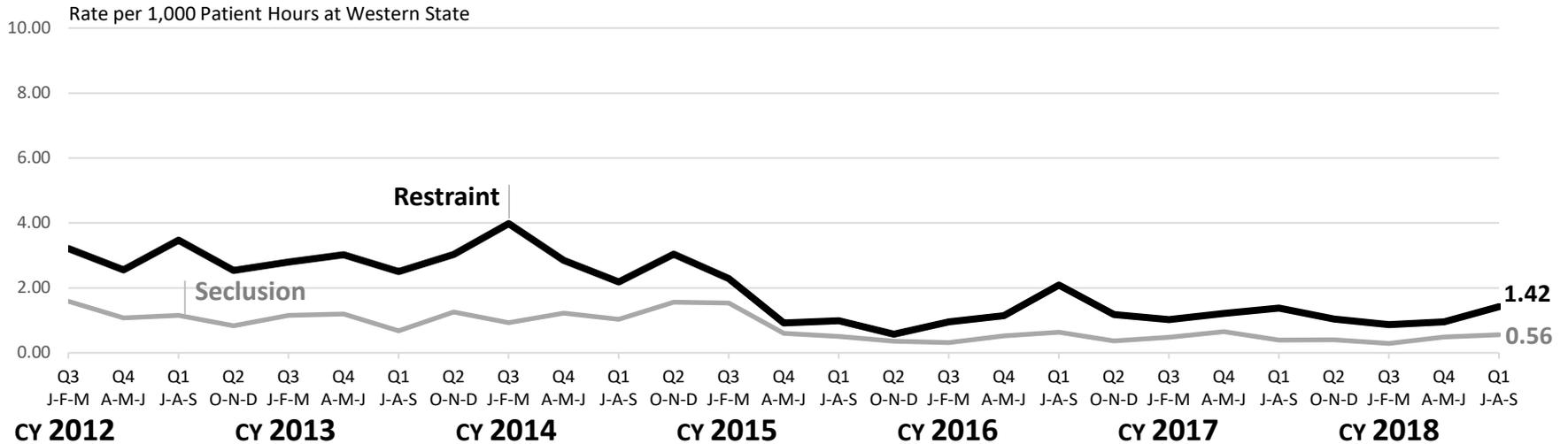
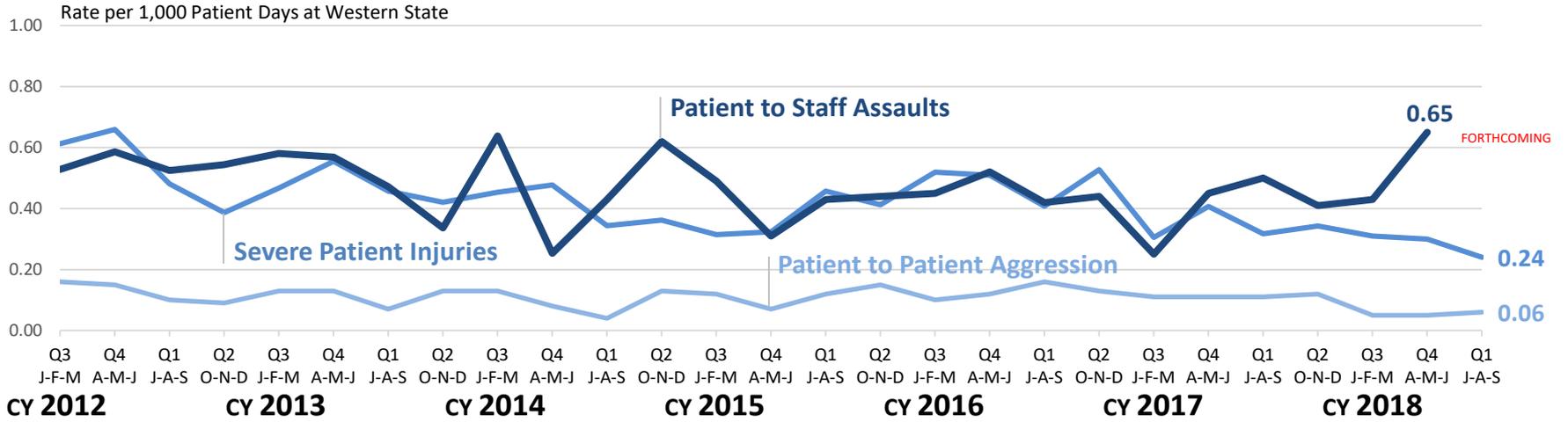
DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital.

MEASURE DEFINITION: Active treatment hours delivered (per 7 patient days) during the reporting quarter, at each of Eastern State Hospital and Western State Hospital.

DATA NOTES: 1 The performance targets will be reached on or prior to June 30, 2017. 2 The rate is calculated by dividing the number of active treatment hours delivered in a given quarter by the number of patient days utilized by a state hospital in that quarter; and then multiplying the quotient by seven. 3 Active treatment hours are distinctly tracked for each of the state hospitals, for purposes of calculating quarterly rates by facility.

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Rate of Aggression, Injury, Assault, Seclusion and Restraint at Western State Hospital

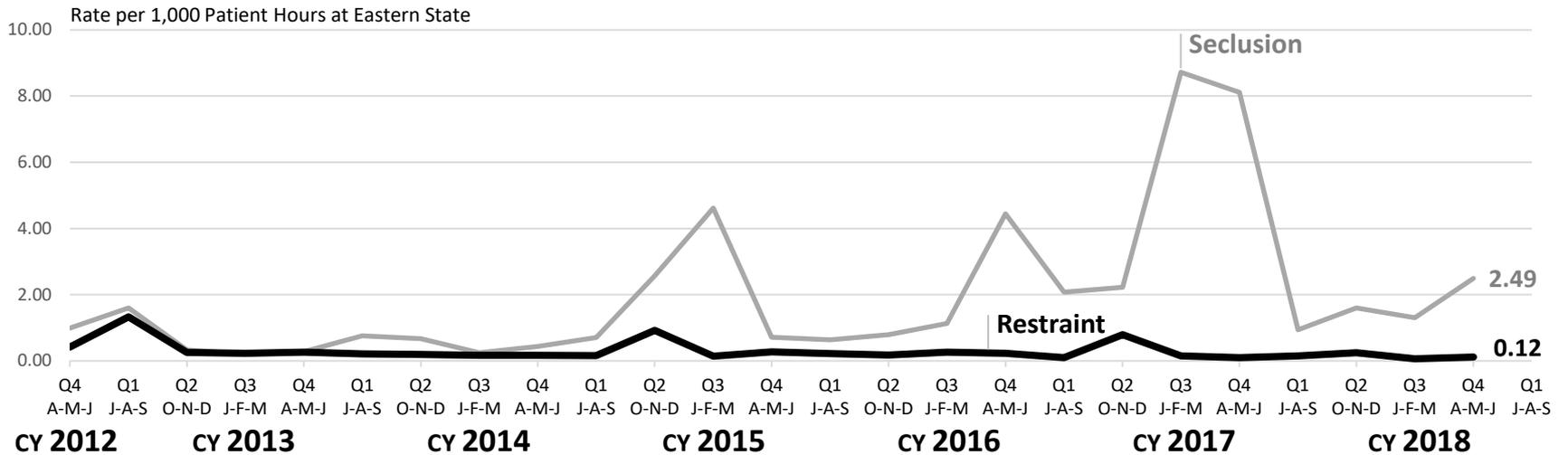
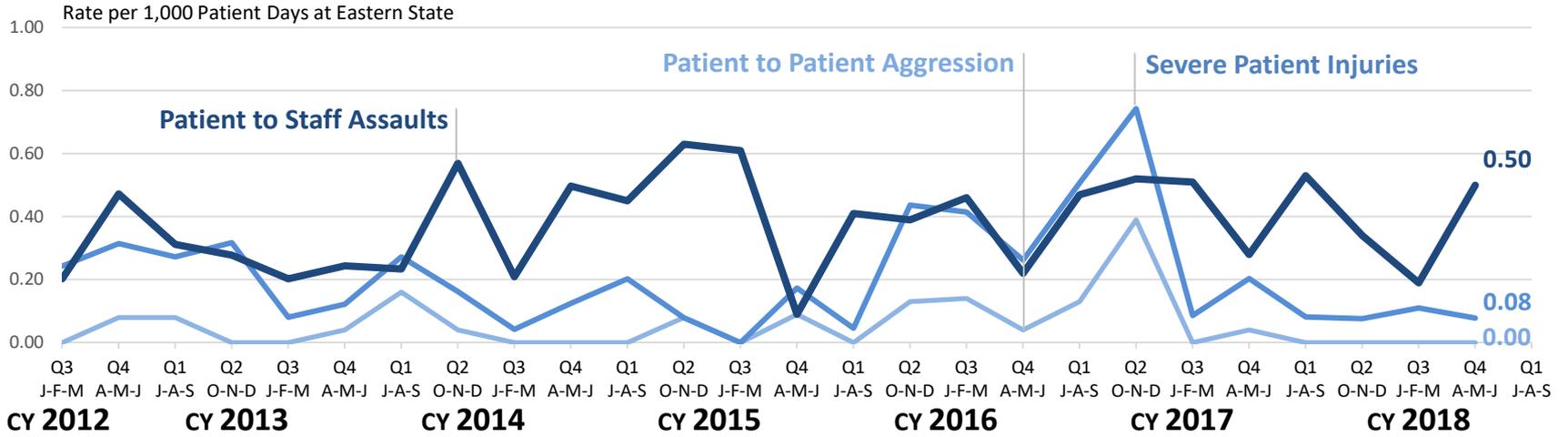


NOTE: Incidents are distinctly tracked for each of the state hospitals, for purposes of mapping rates by facility. 2 An injury occurs when a patient suffers physical harm or damage, excluding the result of a disease process. Severe patient injuries include all patient injuries with a severity level of "3" or higher (3 = medical intervention; 4 = hospitalization; 5 = death). <https://www.dshs.wa.gov/data/metrics/AB3.2.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX.7.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX.8.xlsx>

SOURCES: Reports from Eastern State Hospital and Western State Hospital. <https://www.dshs.wa.gov/data/metrics/ABX3.1.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX4.1.xlsx>



Rate of Aggression, Injury, Assault, Seclusion and Restraint at Eastern State Hospital

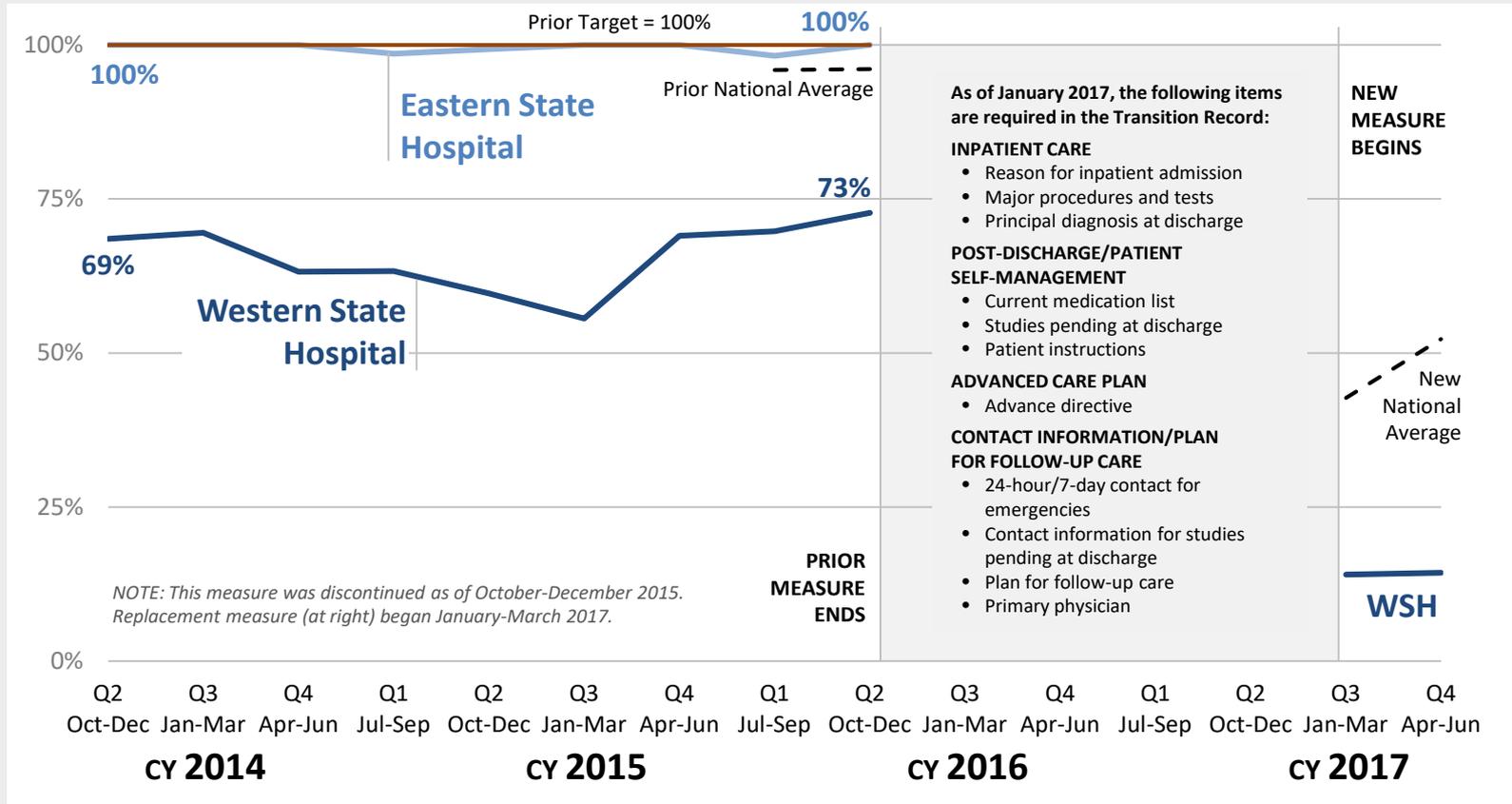


NOTE: Incidents are distinctly tracked for each of the state hospitals, for purposes of mapping rates by facility. 2 An injury occurs when a patient suffers physical harm or damage, excluding the result of a disease process. Severe patient injuries include all patient injuries with a severity level of "3" or higher (3 = medical intervention; 4 = hospitalization; 5 = death). <https://www.dshs.wa.gov/data/metrics/AB3.2.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX.7.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX.8.xlsx>

SOURCES: Reports from Eastern State Hospital and Western State Hospital. <https://www.dshs.wa.gov/data/metrics/ABX3.1.xlsx> | <https://www.dshs.wa.gov/data/metrics/ABX4.1.xlsx>



Overall rates of post discharge continuing care plans created at Eastern State Hospital and Western State Hospital



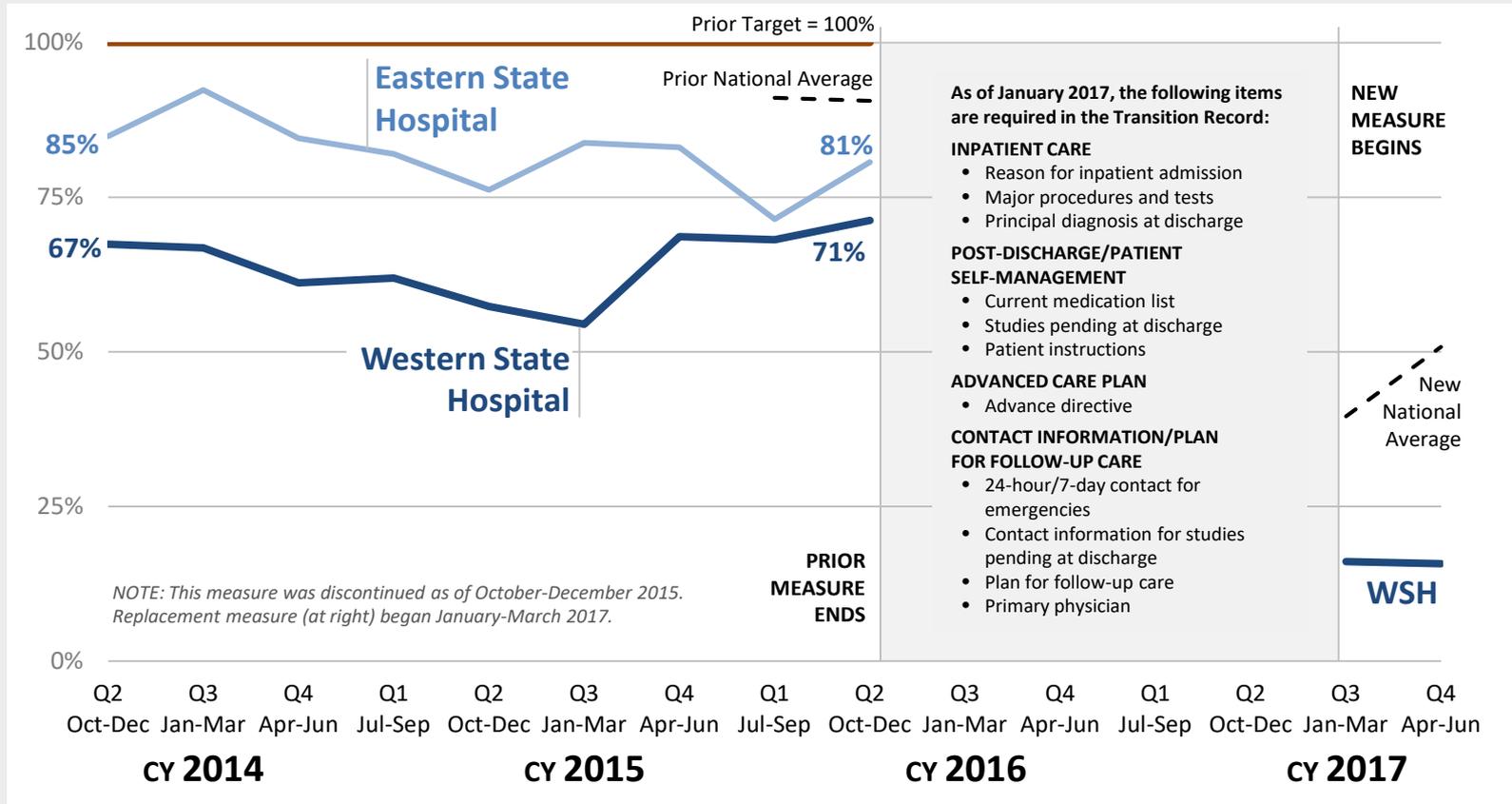
DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital. National average from NRI’s HBIPS Comparative Statistics Report (HAP and BHC).

MEASURE DEFINITION: Overall rates of post discharge continuing care plan.

DATA NOTES: **1** This measure has been discontinued as a Hospital-Based Inpatient Psychiatric Services Measure. Related replacement measures will be available when data is compiled for January-March 2017. **2** Overall rate calculations: Numerator: Inpatients for whom the post discharge continuing care plan is created and contains all of the following: reason for hospitalization, principal discharge diagnosis, discharge medications and next level of care recommendations. Denominator: Inpatient discharges. **3** Included populations: Patients referred for next level of care with mental disorder diagnoses.

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Overall rates of post discharge continuing care plans transmitted to next level of care provider upon discharge at Eastern State Hospital and Western State Hospital



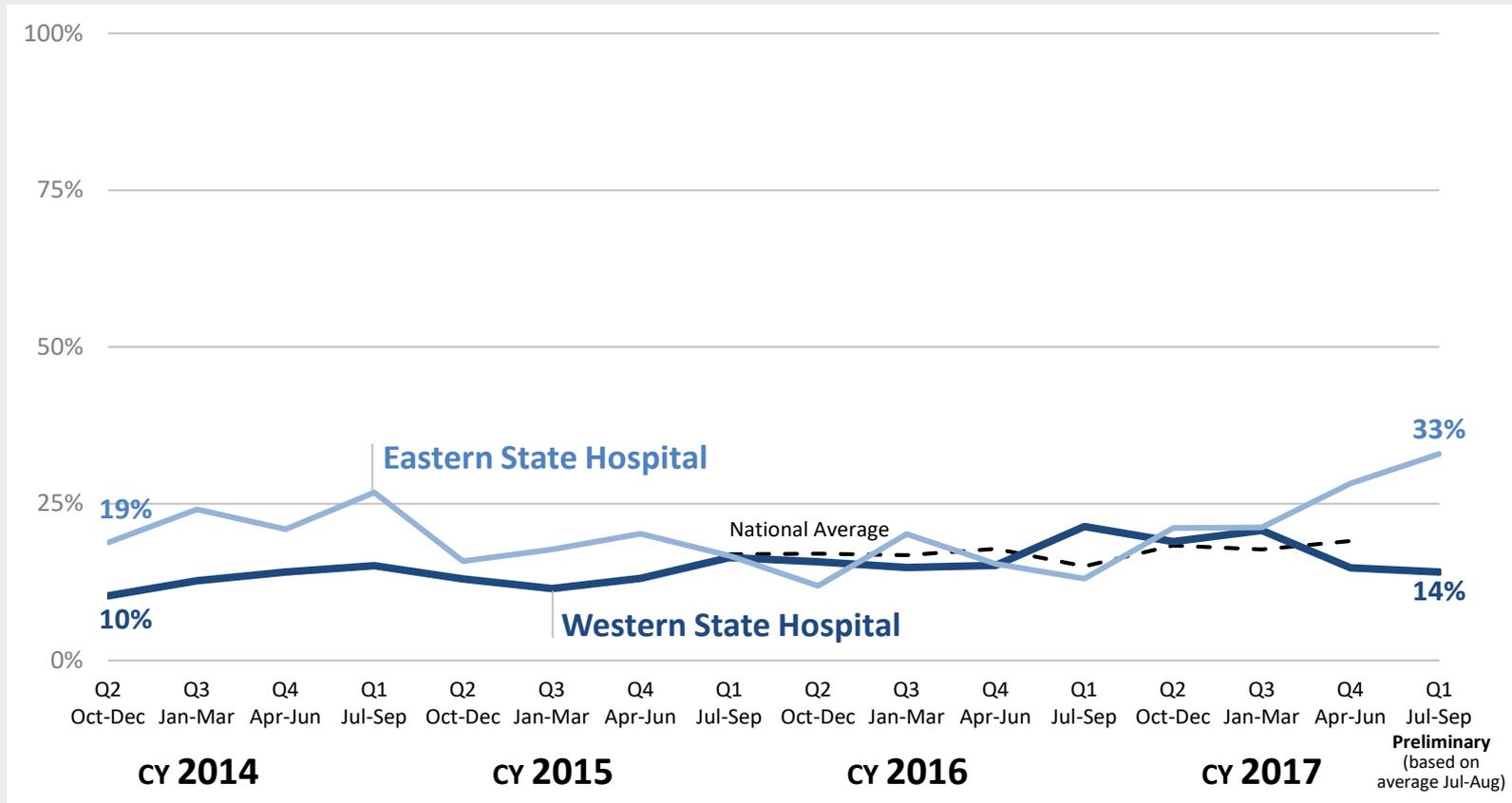
DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital. National average from NRI’s HBIPS Comparative Statistics Report (HAP and BHC).

MEASURE DEFINITION: Overall rates of post discharge continuing care plan transmitted to next level of care provider upon discharge.

DATA NOTES: 1 This measure has been discontinued as a Hospital-Based Inpatient Psychiatric Services Measure. Related replacement measures will be available when data is compiled for January-March 2017. **2** Overall rate calculations: Numerator: inpatients for whom the post discharge continuing care plan was transmitted to the next level of care clinician or entity. Denominator: inpatient discharges. **3** Included populations: Patients referred for next level of care with mental disorder diagnoses.

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Overall rates of patients discharged on multiple antipsychotic medications at Eastern State Hospital and Western State Hospital



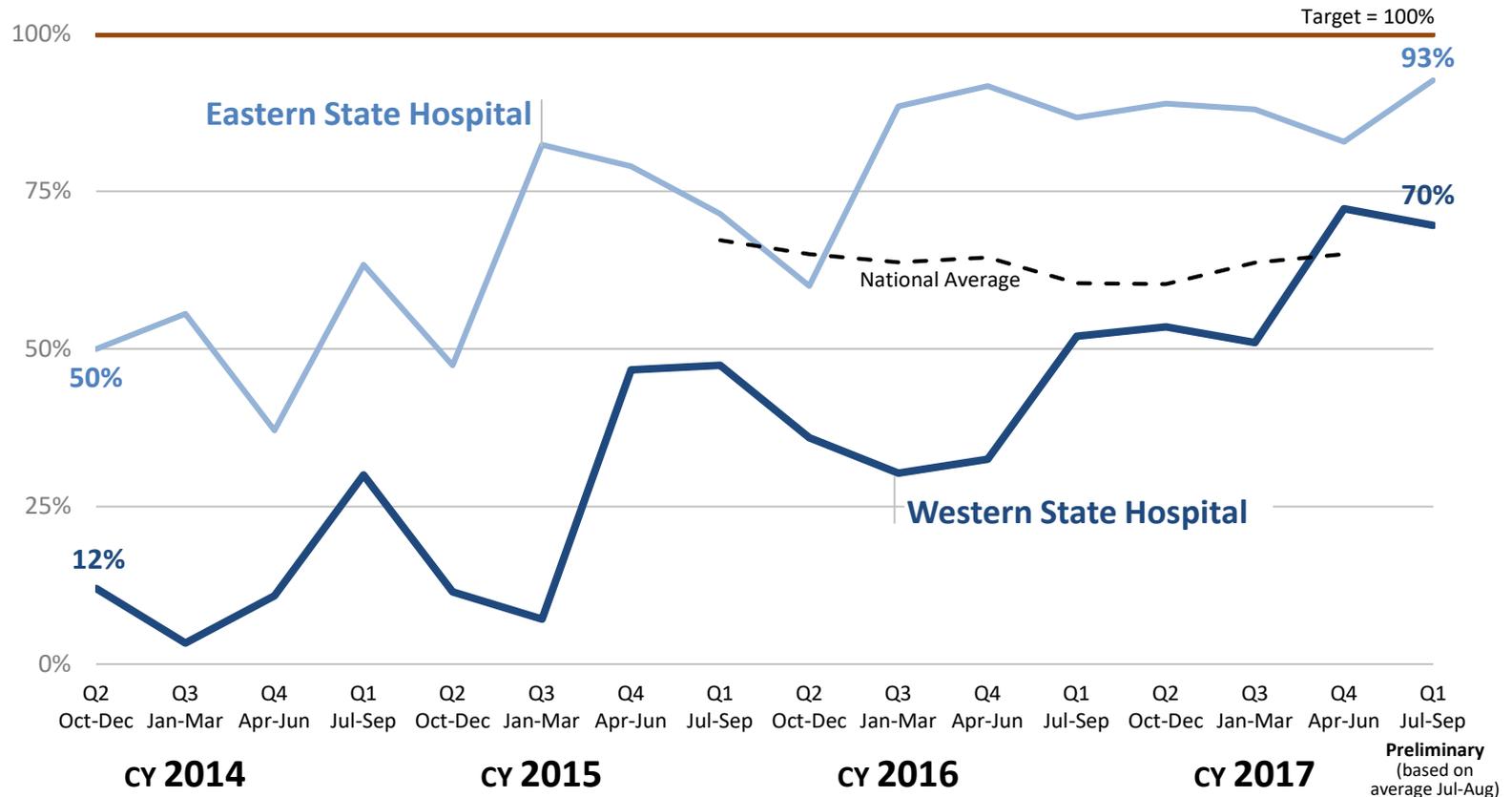
DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital. National average from NRI's HBIPS Comparative Statistics Report (HAP and BHC).

MEASURE DEFINITION: Overall rates of patients discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications.

DATA NOTES: 1 Overall rate calculations: Numerator: number of psychiatric inpatients discharged on two or more routinely scheduled antipsychotic medications. Denominator: Psychiatric inpatients discharged on one or more routinely scheduled antipsychotic medications. 2 Included populations in the denominator are patients with ICD-9-CM Principal or Other Diagnosis Codes for Mental Disorders.

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Overall rates of patients discharged on multiple antipsychotic medications with appropriate justification at Eastern State Hospital and Western State Hospital



DATA SOURCE: Reports from Eastern State Hospital and Western State Hospital. National average from NRI's HBIPS Comparative Statistics Report (HAP and BHC).

MEASURE DEFINITION: Overall rates of patients discharged from a hospital-based inpatient psychiatric setting on two or more antipsychotic medications with appropriate justification.

DATA NOTES: 1 Overall rate calculations: Numerator: psychiatric inpatients discharged on two or more routinely scheduled antipsychotic medications with appropriate justification. Denominator: psychiatric inpatient discharges on two or more routinely scheduled antipsychotic medications. **2** Included populations in the denominator are patients with ICD-9-CM Principal or Other Diagnosis Codes for Mental Disorders.

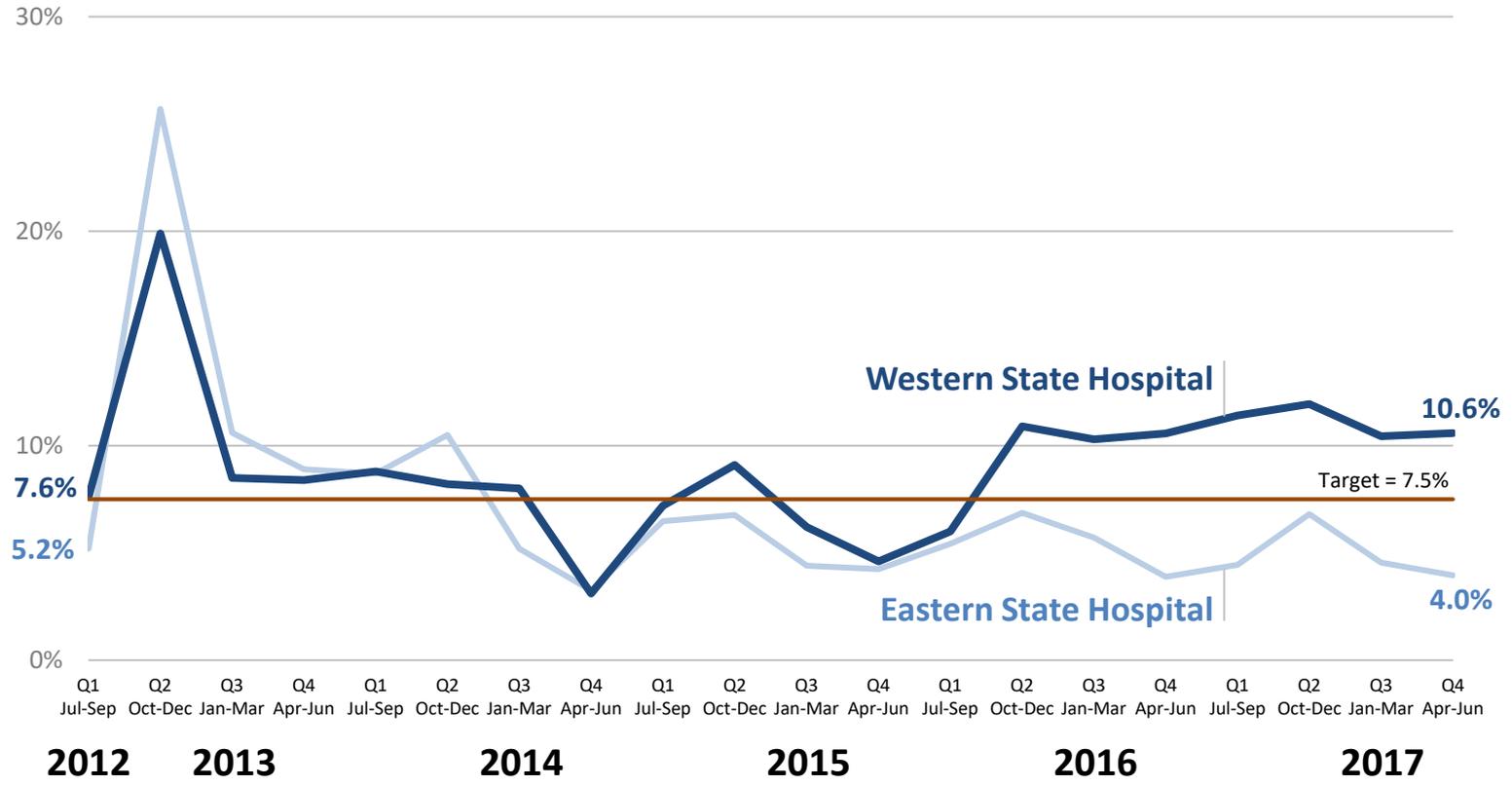
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PART 5 Measures Related to Employees

Percentage of Overtime Use at Western State Hospital, Eastern State Hospital



DATA SOURCE: Financial Services Administration's Overtime Report Summary.

MEASURE DEFINITION: Average percentage of overtime use at Western State Hospital and Eastern State Hospital.

DATA NOTES: 1 Each data point represents a quarterly percentage (e.g., SFQ 2016/4 is the sum of total overtime expenditures for SFQ 2016/4, divided by the sum of Object A (employee salary) expenditures for SFQ 2016/4). 2 Includes only Budget Units for Eastern State Hospital and Western State Hospital.

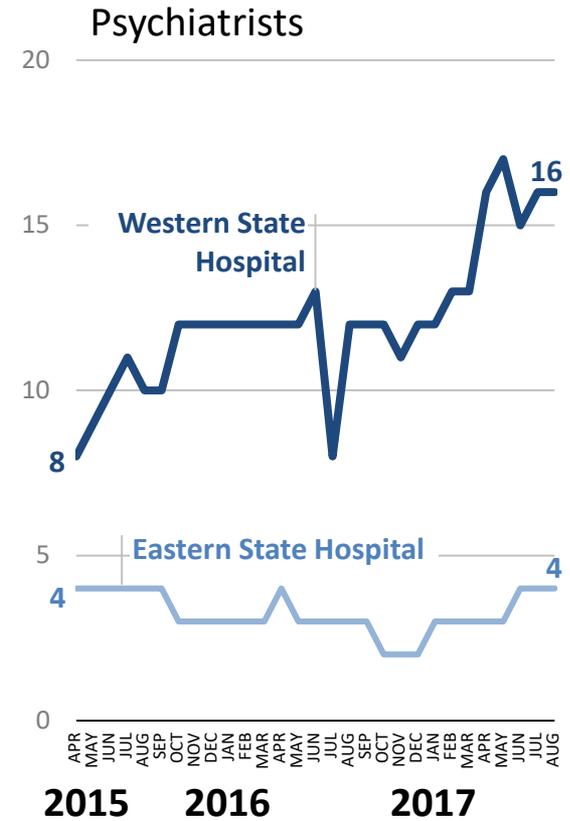
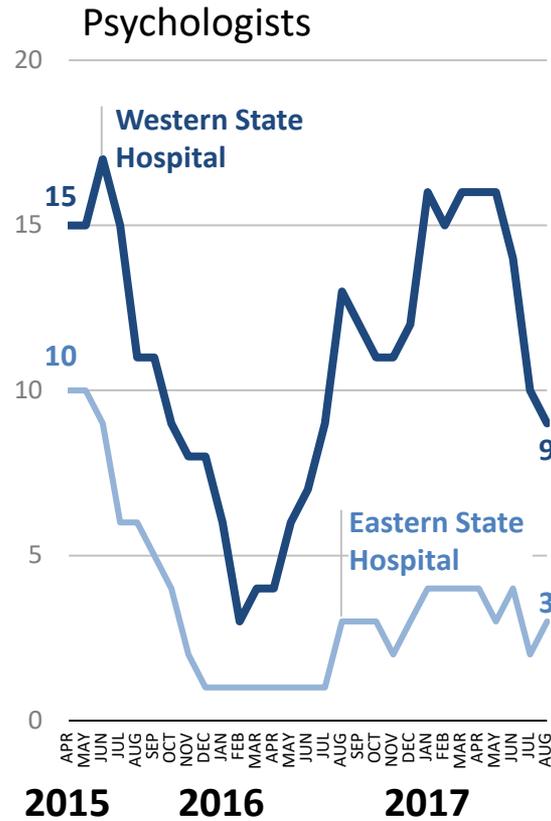
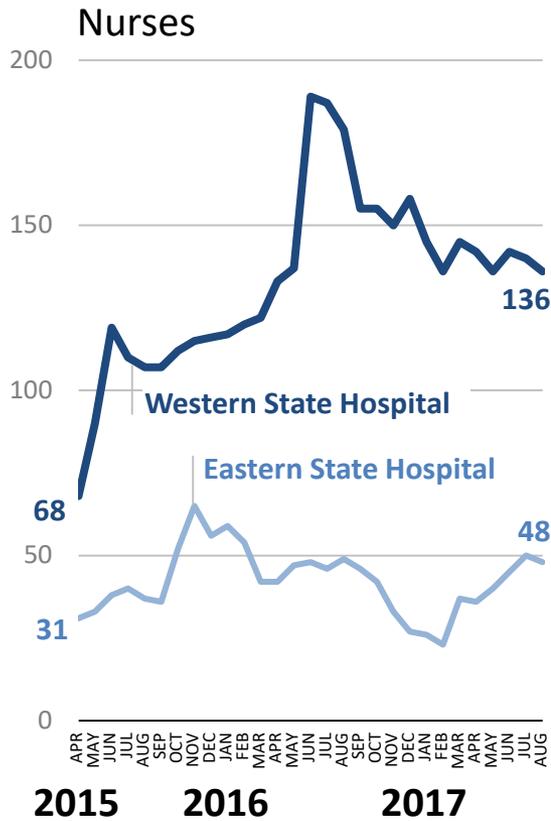
3 Negative amounts in total overtime expenditures and/or total employee salary expenditures are included in the calculation. 4 Zeros are included in the denominator. 5 Includes both disbursements and accruals.

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Number of Clinical Staff Vacancies

Number of vacancies for nurses, psychologists, and psychiatrists at Eastern State Hospital and Western State Hospital



DATA SOURCE: DSHS Human Resources Division, Human Resource Management System.

MEASURE DEFINITION: Number of vacancies per employee classification.

DATA NOTES: 1 The nurse category includes Registered Nurses, Licensed Professional Nurses and Psychiatric Security Nurses.

2 The psychologists category includes Psychologist - Forensic Evaluators.

http://emis.dshs.wa.gov/Report/View?definition=BH30%20BH31*197901-999906*16596&format=excel