

**PERFORMANCE IMPROVEMENT PROJECT (PIP) VALIDATION WORKSHEET FY17-18**

**CLINICAL PIP**

**GENERAL INFORMATION**

**MHP:** San Diego

**PIP Title:** Therapeutic Homework

**Start Date (MM/DD/YY):** April 2016

**Completion Date (MM/DD/YY):** Spring 2018

**Projected Study Period (#of Months):**

**Completed:** Yes  No

**Date(s) of On-Site Review (MM/DD/YY):** 1/9-11/18

**Name of Reviewer:** Rob Walton

**Status of PIP (Only Active and ongoing, and completed PIPs are rated):**

**Rated**

- Active and ongoing (baseline established and interventions started)
- Completed since the prior External Quality Review (EQR)

**Not rated. Comments provided in the PIP Validation Tool for technical assistance purposes only.**

- Concept only, not yet active (interventions not started)
- Inactive, developed in a prior year
- Submission determined not to be a PIP
- No Clinical PIP was submitted

**Brief Description of PIP (including goal and what PIP is attempting to accomplish):**

The MHP initiated a study on the outcomes of services and the duration of treatment in the CYF system of care. The resultant data created concerns for the MHP when compared to literature data regarding the amount of improvement usually seen from treatment. As a result, the MHP looked for approaches that would help improve treatment results and hopefully result in shorter lengths of treatment. To that end, the MHP examined the topic of therapeutic homework, an intervention aimed at improving the engagement of youth with their treatment. The MHP implemented this PIP and interventions in phases, starting with a pilot site that included 693 youth consumers.

The PIP involved the training of clinicians in the use of therapeutic homework, and various information systems changes to assist with capture and tracking of this activity. The outcomes were tracked by the Parent and Child Outcomes Instrument (PCAMS) which has both parent/caregiver and youth self-rating elements, which contains both internalizing and externalizing rating elements.

From the results of this PIP the MHP has determined to roll-out therapeutic homework on a systemwide basis with the youth population. The PIP will be completed in Spring of 2018.

**ACTIVITY 1: ASSESS THE STUDY METHODOLOGY**

**STEP 1: Review the Selected Study Topic(s)**

Component/Standard	Score	Comments
1.1 Was the PIP topic selected using stakeholder input? Did the MHP develop a multi-functional team compiled of stakeholders invested in this issue?	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	The PIP was reviewed by a youth advocated, who provided input.
1.2 Was the topic selected through data collection and analysis of comprehensive aspects of enrollee needs, care, and services?	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	The MHP opted to focus on this issue after examining the changes reported by caregivers related to therapy with children and youth, which were rated as small to moderate improvement. (Effect size - FY11-12: d=.39 for internalizing; d=.49 for externalizing; FY 14-15 d=.51, internalizing, d=.56, externalizing. The latter were slight improvements). The MHP considered literature and also provided training on evidence-based practices. The MHP was still not satisfied with the degree of improvement and sought to see its consumers experience a greater effect from therapy.

<p><b>Select the category for each PIP:</b></p> <p><i>Clinical:</i></p> <p><input type="checkbox"/> Prevention of an acute or chronic condition    <input type="checkbox"/> High volume services</p> <p><input checked="" type="checkbox"/> Care for an acute or chronic condition    <input type="checkbox"/> High risk conditions</p>	<p><i>Non-clinical:</i></p> <p><input type="checkbox"/> Process of accessing or delivering care</p>
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<p>1.3 Did the Plan's PIP, over time, address a broad spectrum of key aspects of enrollee care and services?</p> <p><i>Project must be clearly focused on identifying and correcting deficiencies in care or services, rather than on utilization or cost alone.</i></p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	
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<p>1.4 Did the Plan's PIPs, over time, include all enrolled populations (i.e., did not exclude certain enrollees such as those with special health care needs)?</p> <p><i>Demographics:</i>  <input checked="" type="checkbox"/> Age Range <input type="checkbox"/> Race/Ethnicity <input type="checkbox"/> Gender <input type="checkbox"/> Language <input type="checkbox"/> Other</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	<p>Started with a pilot implementation including 693 and rolled out in 2019 to all children and youth programs.</p>
<b>Totals</b>		<p><b>4</b> Met <b>0</b> Partially Met <b>0</b> Not Met <b>0</b> UTD</p>
<b>STEP 2: Review the Study Question(s)</b>		
<p>2.1 Was the study question(s) stated clearly in writing?  Does the question have a measurable impact for the defined study population?</p> <p><i>Include study question as stated in narrative:</i>  Will increased use of therapeutic homework following supervisor training precede a 10% reduction on the internalizing and externalizing Child and Adolescent Measurement System scales and a 10% decrease in length of time in treatment?</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	
<b>Totals</b>		<p><b>1</b> Met <b>0</b> Partially Met <b>0</b> Not Met <b>0</b> UTD</p>
<b>STEP 3: Review the Identified Study Population</b>		
<p>3.1 Did the Plan clearly define all Medi-Cal enrollees to whom the study question and indicators are relevant?</p> <p><i>Demographics:</i>  <input checked="" type="checkbox"/> Age Range <input type="checkbox"/> Race/Ethnicity <input type="checkbox"/> Gender <input type="checkbox"/> Language <input type="checkbox"/> Other</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	<p>Youth receiving treatment in San Diego County.</p>
<p>3.2 If the study included the entire population, did its data collection approach capture all enrollees to whom the study question applied?</p> <p><i>Methods of identifying participants:</i>  <input type="checkbox"/> Utilization data <input type="checkbox"/> Referral <input type="checkbox"/> Self-identification  <input type="checkbox"/> Other: &lt;Text if checked&gt;</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	<p>The MHP performed analysis of the pilot results and identified that the pilot and related sample had a higher prevalence of depressive disorders than exist in the overall MHP youth population.</p>
<b>Totals</b>		<p><b>2</b> Met <b>0</b> Partially Met <b>0</b> Not Met <b>0</b> UTD</p>

STEP 4: Review Selected Study Indicators									
<p>4.1 Did the study use objective, clearly defined, measurable indicators?</p> <p><i>List indicators:</i></p> <p>Percent of sessions in which clinicians assigned therapeutic homework</p> <p>Parent Child and Adolescent Measurement System (PCAMS) - Caregiver report externalizing scale change score (discharge minus intake scores)</p> <p>PCAMS - Caregiver report internalizing scale change score (discharge minus intake scores)</p> <p>Treatment Length (Close date – open date) for discharged clients</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine								
<p>4.2 Did the indicators measure changes in: health status, functional status, or enrollee satisfaction, or processes of care with strong associations with improved outcomes? All outcomes should be consumer focused.</p> <p><input checked="" type="checkbox"/> Health Status                      <input type="checkbox"/> Functional Status</p> <p><input checked="" type="checkbox"/> Member Satisfaction                      <input type="checkbox"/> Provider Satisfaction</p> <p>Are long-term outcomes clearly stated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Are long-term outcomes implied? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine								
<b>Totals</b>		<b>2</b>	Met	<b>0</b>	Partially Met	<b>0</b>	Not Met	<b>0</b>	UTD
STEP 5: Review Sampling Methods									
<p>5.1 Did the sampling technique consider and specify the:</p> <p>a) True (or estimated) frequency of occurrence of the event?</p> <p>b) Confidence interval to be used?</p> <p>c) Margin of error that will be acceptable?</p>	<input type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine								

<p>5.2 Were valid sampling techniques that protected against bias employed?</p> <p><i>Specify the type of sampling or census used:</i> &lt;Text&gt;</p>	<input type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<p>5.3 Did the sample contain a sufficient number of enrollees?</p> <p>_____ N of enrollees in sampling frame  _____ N of sample  _____ N of participants (i.e. – return rate)</p>	<input type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<b>Totals</b>		<b>0 Met 0 Partially Met 0 Not Met 3 NA 0 UTD</b>
<b>STEP 6: Review Data Collection Procedures</b>		
<p>6.1 Did the study design clearly specify the data to be collected?</p> <p><u>Online Clinician HW survey (provider data)</u>  <u>Pilot Program Therapeutic Homework Tracking Form (Attachment II)</u>  <u>Parent Child and Adolescent Measurement System</u>  <u>Treatment Length (claims data)</u></p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	
<p>6.2 Did the study design clearly specify the sources of data?</p> <p><i>Sources of data:</i></p> <p><input checked="" type="checkbox"/> Member      <input type="checkbox"/> Claims      <input type="checkbox"/> Provider  <input checked="" type="checkbox"/> Other: PCAMS, clinician survey about HW use</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	Clinicians, family, length of treatment from EHR.
<p>6.3 Did the study design specify a systematic method of collecting valid and reliable data that represents the entire population to which the study's indicators apply?</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	

<p>6.4 Did the instruments used for data collection provide for consistent, accurate data collection over the time periods studied?</p> <p><i>Instruments used:</i></p> <p><input checked="" type="checkbox"/> Survey                      <input checked="" type="checkbox"/> Medical record abstraction tool</p> <p><input checked="" type="checkbox"/> Outcomes tool              <input type="checkbox"/> Level of Care tools</p> <p><input checked="" type="checkbox"/> Other: PCAMS</p>	<p><input checked="" type="checkbox"/> Met</p> <p><input type="checkbox"/> Partially Met</p> <p><input type="checkbox"/> Not Met</p> <p><input type="checkbox"/> Unable to Determine</p>	
<p>6.5 Did the study design prospectively specify a data analysis plan? Did the plan include contingencies for untoward results?</p>	<p><input checked="" type="checkbox"/> Met</p> <p><input type="checkbox"/> Partially Met</p> <p><input type="checkbox"/> Not Met</p> <p><input type="checkbox"/> Unable to Determine</p>	
<p>6.6 Were qualified staff and personnel used to collect the data?</p> <p><i>Project leader:</i></p> <p>Emily Trask, Ph.D., Senior Mental Health Consultant, UCSD Tiffany Lagare, M.P.H., Research Assistant, UCSD Anh Tran, B.S., Research Assistant, UCSD Bill Ganger, M.A., Data Manager, SDSU Shellane Villarin, M.P.H., Research Associate, Rady Children’s Hospital-San Diego</p>	<p><input checked="" type="checkbox"/> Met</p> <p><input type="checkbox"/> Partially Met</p> <p><input type="checkbox"/> Not Met</p> <p><input type="checkbox"/> Unable to Determine</p>	
<b>Totals</b>		<b>6</b> Met <b>0</b> Partially Met <b>0</b> Not Met <b>0</b> UTD

STEP 7: Assess Improvement Strategies		
<p>7.1 Were reasonable interventions undertaken to address causes/barriers identified through data analysis and QI processes undertaken?</p> <p><i>Describe Interventions:</i>            Adding “use of HW” to medical records review            Adding “used HW” checkbox to progress note            Presentations on the importance of using HW at CSOC, PM Meetings up to            Provision of handout via email on importance of using therapeutic homework to all SDBHS clinicians and program managers the minute, SIT committee, training committees            Online follow-up clinician survey on their use of HW            Presentation on rationale for using therapy HW with pilot program clinicians            Trained pilot program to track and enter therapy HW data in their data entry system</p> <p><b>Year Two</b>            Provided pilot program support with completing and entering the homework tracking data            Completed therapeutic homework training with pilot program supervisors            Provision of app-based homework assignment list to pilot program supervisors and clinicians            Follow-up consultation with pilot program supervisors            Develop Systemwide Implementation Plan</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Unable to Determine	
<b>Totals</b>		<b>1 Met    0 Partially Met    0 Not Met    0 UTD</b>
STEP 8: Review Data Analysis and Interpretation of Study Results		
<p>8.1 Was an analysis of the findings performed according to the data analysis plan?</p> <p><i>This element is “Not Met” if there is no indication of a data analysis plan (see Step 6.5)</i></p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	

<p>8.2 Were the PIP results and findings presented accurately and clearly?</p> <p>Are tables and figures labeled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Are they labeled clearly and accurately? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<p>8.3 Did the analysis identify: initial and repeat measurements, statistical significance, factors that influence comparability of initial and repeat measurements, and factors that threaten internal and external validity?</p> <p>Indicate the time periods of measurements: every six months data summarized.</p> <p>Indicate the statistical analysis used: Percentage and T-test</p> <p>Indicate the statistical significance level or confidence level if available/known: _____% _____ Unable to determine</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	<p>October 2016 to January 2017</p> <p>February to June 2017</p> <p>Statistical significance was not met due to slight amount of change.</p>
<p>8.4 Did the analysis of the study data include an interpretation of the extent to which this PIP was successful and recommend any follow-up activities?</p> <p><i>Limitations described:</i></p> <p><b>Changes in scores and length of treatment were not of sufficient magnitude for statistical validation.</b></p> <p><i>Conclusions regarding the success of the interpretation:</i></p> <p><b>While not statistically significant, positive change has occurred.</b></p> <p><i>Recommendations for follow-up:</i></p> <p><b>Continue to evaluate the results of HW as the numbers of consumers and clinicians utilizing it increase.</b></p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<b>Totals</b>		<b>4</b> Met <b>0</b> Partially Met <b>0</b> Not Met <b>0</b> NA <b>0</b> UTD



STEP 9: Assess Whether Improvement is “Real” Improvement		
<p>9.1 Was the same methodology as the baseline measurement used when measurement was repeated?</p> <p><i>Ask: At what interval(s) was the data measurement repeated?</i></p> <p><i>Were the same sources of data used?</i></p> <p><i>Did they use the same method of data collection?</i></p> <p><i>Were the same participants examined?</i></p> <p><i>Did they utilize the same measurement tools?</i></p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<p>9.2 Was there any documented, quantitative improvement in processes or outcomes of care?</p> <p>Was there:                   <input checked="" type="checkbox"/> Improvement   <input type="checkbox"/> Deterioration</p> <p>Statistical significance:   <input type="checkbox"/> Yes                   <input checked="" type="checkbox"/> No</p> <p>Clinical significance:      <input type="checkbox"/> Yes                   <input checked="" type="checkbox"/> No</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	Determination of clinical significance is difficult to make at this time. Greater application of the HW intervention will be required before a conclusion.
<p>9.3 Does the reported improvement in performance have internal validity; i.e., does the improvement in performance appear to be the result of the planned quality improvement intervention?</p> <p><i>Degree to which the intervention was the reason for change:</i></p> <p><input type="checkbox"/> No relevance   <input type="checkbox"/> Small   <input checked="" type="checkbox"/> Fair   <input type="checkbox"/> High</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<p>9.4 Is there any statistical evidence that any observed performance improvement is true improvement?</p> <p><input type="checkbox"/> Weak           <input checked="" type="checkbox"/> Moderate           <input type="checkbox"/> Strong</p>	<input checked="" type="checkbox"/> Met <input type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<p>9.5 Was sustained improvement demonstrated through repeated measurements over comparable time periods?</p>	<input type="checkbox"/> Met <input checked="" type="checkbox"/> Partially Met <input type="checkbox"/> Not Met <input type="checkbox"/> Not Applicable <input type="checkbox"/> Unable to Determine	
<b>Totals</b>		<b>4</b> Met <b>1</b> Partially Met <b>0</b> Not Met <b>0</b> NA <b>0</b> UTD

**ACTIVITY 2: VERIFYING STUDY FINDINGS (OPTIONAL)**

Component/Standard	Score	Comments
Were the initial study findings verified (recalculated by CalEQRO) upon repeat measurement?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**ACTIVITY 3: OVERALL VALIDITY AND RELIABILITY OF STUDY RESULTS: SUMMARY OF AGGREGATE VALIDATION FINDINGS***Conclusions:*

Although not statistically significant, there has been an improvement in PCAMs scores and decrease in length of treatment.

*Recommendations:*

Continue application of the HW intervention to the broader youth treatment population.

Check one:

High confidence in reported Plan PIP results

Low confidence in reported Plan PIP results

Confidence in reported Plan PIP results

Reported Plan PIP results not credible

Confidence in PIP results cannot be determined at this time