| Demographic Information |
|---|
| Plan Name: **<Plan Name>** |
| Project Leader Name: _____  Title: _____ |
| Telephone Number: _____  Email Address: _____ |
| PIP Title: *<PIP Topic>* |
| Submission Date: _____ |

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| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **I.** **Select the Study Topic(s): The study topic should be selected based on data that identify an opportunity for improvement. The goal of the project should be to improve processes and outcomes of healthcare. The topic may also be specified by the State. The study topic:** | | |
| C*    1. Was selected following collection and analysis of data. <br><br> *NA* is not applicable to this element for scoring. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 2. Has the potential to affect member health, functional status, or satisfaction. <br><br> The scoring for this element will be ***Met*** or ***Not Met***. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step I | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*    This is the total number of *all* evaluation elements for this step.
\*\*\*    This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **II.** **Define the Study Question(s): Stating the study question(s) helps maintain the focus of the PIP and sets the framework for data collection, analysis, and interpretation. The study question:** | | |
| C*    1. Was stated in simple terms and in the recommended X/Y format. <br><br> *NA* is not applicable to this element for scoring. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step II | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*   "C" in this column denotes a *critical* evaluation element.
\*\* This is the total number of *all* evaluation elements for this step.
\*\*\*   This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **III.** **Define the Study Population: The study population should be clearly defined to represent the population to which the study question and indicators apply, without excluding members with special healthcare needs. The study population:** | | |
| C*    1. Was accurately and completely defined and captured all members to whom the study question(s) applied. <br><br> *NA* is not applicable to this element for scoring. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step III | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*    This is the total number of *all* evaluation elements for this step.
\*\*\*    This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **IV.** **Select the Study Indicator(s): A study indicator is a quantitative or qualitative characteristic or variable that reflects a discrete event or a status that is to be measured. The selected indicator(s) should track performance or improvement over time. The indicator(s) should be objective, clearly and unambiguously defined, and based on current clinical knowledge or health services research. The study indicator(s):** | | |
| C* 1. Was well-defined, objective, and measured changes in health or functional status, member satisfaction, or valid process alternatives. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 2. Included the basis on which the indicator(s) was developed, if internally developed. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step IV | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\* "C" in this column denotes a *critical* evaluation element.
\*\* This is the total number of *all* evaluation elements for this step.
\*\*\* This is the total number of critical evaluation elements for this step.

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| Evaluation Elements | | Scoring | Comments |
|---|---|---|---|
| **Performance Improvement Project Validation** | | | |
| **V.** | **Use Sound Sampling Techniques: (If sampling was not used, each evaluation element will be scored Not Applicable [NA]). If sampling was used to select members in the population, proper sampling techniques are necessary to provide valid and reliable information on the quality of care provided. Sampling methods:** | | |
| | 1. Included the measurement period for the sampling methods used (e.g., baseline, Remeasurement 1). | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| | 2. Included the title of each study indicator. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| | 3. Included the population size for each study indicator. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| C* | 4. Included the sample size for each study indicator. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| | 5. Included the margin of error and confidence level for each study indicator. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| | 6. Described the method used to select the sample. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| C* | 7. Allowed for the generalization of results to the study population. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step V | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 7 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*    This is the total number of *all* evaluation elements for this step.
\*\*\*   This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **VI.** Reliably Collect Data: The data collection process must ensure that the data collected on the study indicator(s) was valid and reliable. Validity is an indication of the accuracy of the information obtained. Reliability is an indication of the repeatability or reproducibility of a measurement. Data collection procedures include: | | |
| 1. Clearly defined sources of data and data elements collected for the study indicator(s). NA is not applicable to this element for scoring. | ☐ Met ☐ Partially Met ☐ Not Met ☐ NA | |
| C* 2. A clearly defined and systematic process for collecting baseline and remeasurement data for the study indicator(s). NA is not applicable to this element for scoring. | ☐ Met ☐ Partially Met ☐ Not Met ☐ NA | |
| C* 3. A manual data collection tool that ensured consistent and accurate collection of data according to indicator specifications. | ☐ Met ☐ Partially Met ☐ Not Met ☐ NA | |
| 4. The percentage of administrative data completeness following allowable claims lag and the process used to calculate the percentage. | ☐ Met ☐ Partially Met ☐ Not Met ☐ NA | |

### Results for Step VI

| Total Evaluation Elements | | | | | Critical Elements | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Total Evaluation Elements** | Met | Partially Met | Not Met | NA | Critical Elements*** | Met | Partially Met | Not Met | NA |
| 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

\* "C" in this column denotes a *critical* evaluation element.
\*\* This is the total number of *all* evaluation elements for this step.
\*\*\* This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **VII.** **Analyze Data and Interpretation of Study Indicator Results: Clearly present the results for each study indicator. Describe the data analysis performed, the results of the statistical analysis, and a narrative interpretation for each study indicator. Through data analysis and interpretation, real improvement, as well as sustained improvement, can be determined. The data analysis and interpretation of the study indicator outcomes:** | | |
| C* 1. Included accurate, clear, consistent, and easily understood information in the data table. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 2. Included a narrative interpretation of results that addressed all requirements. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 3. Addressed factors that threatened the validity of the data reported and ability to compare the initial measurement with the remeasurement. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step VII | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*    This is the total number of *all* evaluation elements for this step.
\*\*\*    This is the total number of critical evaluation elements for this step.

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| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **VIII.** **Improvement Strategies and Interventions:** Interventions were developed to address causes/barriers identified through a continuous cycle of data measurement and data analysis. The improvement strategies were developed from an ongoing quality improvement process that included: | | |
| C*   1. A causal/barrier analysis with a clearly documented team, process/steps, and quality improvement tools. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 2. Barriers that were identified and prioritized based on results of data analysis and/or other quality improvement processes. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| C*   3. Interventions that were logically linked to identified barriers and have the potential to impact study indicator outcomes. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 4. Interventions that were implemented in a timely manner to allow for impact of study indicator outcomes. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| C*   5. An evaluation of effectiveness for each individual intervention. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| 6. Interventions that were continued, revised, or discontinued based on evaluation data. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step VIII | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |

\*   "C" in this column denotes a *critical* evaluation element.
\*\*   This is the total number of *all* evaluation elements for this step.
\*\*\* This is the total number of critical evaluation elements for this step.

| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **IX.** **Assess for Real Improvement: Real improvement or meaningful change in performance is evaluated based on study indicator(s) results.** | | |
|    1. The remeasurement methodology was the same as the baseline methodology. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |
| **C\***  2. There was statistically significant improvement over the baseline across all study indicators. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step IX | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements\*\* | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements\*\*\* | *Met* | *Partially Met* | *Not Met* | *NA* |
| 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*   This is the total number of *all* evaluation elements for this step.
\*\*\*  This is the total number of critical evaluation elements for this step.

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| Evaluation Elements | Scoring | Comments |
|---|---|---|
| **Performance Improvement Project Validation** | | |
| **X.** **Assess for Sustained Improvement: Sustained improvement is demonstrated through repeated measurements over comparable time periods.** | | |
| C* 1. Repeated measurements over comparable time periods demonstrated sustained improvement over the baseline across all study indicators. | ☐ *Met* ☐ *Partially Met* ☐ *Not Met* ☐ *NA* | |

| Results for Step X | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Total Evaluation Elements** | | | | | **Critical Elements** | | | | |
| Total Evaluation Elements** | *Met* | *Partially Met* | *Not Met* | *NA* | Critical Elements*** | *Met* | *Partially Met* | *Not Met* | *NA* |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

\*    "C" in this column denotes a *critical* evaluation element.
\*\*    This is the total number of *all* evaluation elements for this step.
\*\*\*  This is the total number of critical evaluation elements for this step.

| | Table B-1—2019 PIP Validation Tool Scores for <PIP Topic> for <Plan Name> | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Review Step** | **Total Possible Evaluation Elements** (Including Critical Elements) | **Total Met** | **Total Partially Met** | **Total Not Met** | **Total NA** | **Total Possible Critical Elements** | **Total Critical Elements Met** | **Total Critical Elements Partially Met** | **Total Critical Elements Not Met** | **Total Critical Elements NA** |
| I.      Select the Study Topic(s) | 2 | | | | | 1 | | | | |
| II.     Define the Study Question(s) | 1 | | | | | 1 | | | | |
| III.    Define the Study Population | 1 | | | | | 1 | | | | |
| IV.    Select the Study Indicator(s) | 2 | | | | | 1 | | | | |
| V.     Use Sound Sampling Techniques | 7 | | | | | 2 | | | | |
| VI.    Reliably Collect Data | 4 | | | | | 2 | | | | |
| VII.   Analyze Data and Interpret Study Results | 3 | | | | | 1 | | | | |
| VIII.  Improvement Strategies | 6 | | | | | 3 | | | | |
| IX.    Assess for Real Improvement | 2 | | | | | 1 | | | | |
| X.     Assess for Sustained Improvement | 1 | | | | | 1 | | | | |
| **Totals for All Steps** | **29** | | | | | **14** | | | | |

| Table B-2 PIP Validation Overall Score for <PIP Topic> for <Plan Name> | |
|---|---|
| **Percentage Score of Evaluation Elements Met*** | **%** |
| **Percentage Score of Critical Elements Met**** | **%** |
| **Validation Status*** | *<Met, Partially Met, or Not Met>* |

\*      The percentage score for all evaluation elements *Met* is calculated by dividing the total *Met* by the sum of all evaluation elements *Met, Partially Met*, and *Not Met*. The Not Assessed and Not Applicable scores have been removed from the scoring calculations.

\*\*     The percentage score for critical elements *Met* is calculated by dividing the total critical elements *Met* by the sum of the critical elements *Met, Partially Met*, and *Not Met*.

\*\*\*   Validation Status: See confidence level definitions below.

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| EVALUATION OF THE OVERALL VALIDITY AND RELIABILITY OF PIP RESULTS |
|---|
| HSAG assessed the validity and reliability of the results based on CMS validation protocols and determined whether the State and key stakeholders can have confidence in the reported PIP findings. Based on the validation of this PIP, HSAG's assessment determined the following: |
| *Met:* High confidence/confidence in reported PIP results. All critical evaluation elements were *Met,* and 80 to 100 percent of all evaluation elements were *Met* across all steps.<br><br>*Partially Met:* Low confidence in reported PIP results. All critical evaluation elements were *Met,* and 60 to 79 percent of all evaluation elements were *Met* across all steps; or one or more critical evaluation elements were *Partially Met*.<br><br>*Not Met:* All critical evaluation elements were *Met,* and less than 60 percent of all evaluation elements were *Met* across all steps; or one or more critical evaluation elements were *Not Met*. |
| **Validation Status**<br><br>☐ *Met*          ☐ *Partially Met*          ☐ *Not Met* |

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