Multiple Measures Assessment Project
Non Cognitive Variable - Implementation Guide

The Multiple Measures Assessment Project (MMAP) team will be analyzing non cognitive variable (NCV) data to determine its utility in predicting course success in math and English courses, in addition to high school transcript information. NCV data includes assessments of self-efficacy, mindfulness, hope and other measures. As part of the project, pilot colleges are asked to administer a NCV scale along with their current placement test. Data from this pilot administration will be shared with the MMAP team who will analyze its predictive utility for placement purposes. The research team will use this information to determine the predictive ability of NCVs and self-reported data along with how variance can be contributed over and above what high school transcripts contributes. Pilot colleges may also find utility in the data for informing students of specific student support services.

Regardless of whether your college has implemented the multiple measures rule sets based on high school performance data, NCV data can be collected. This document outlines the steps for piloting an NCV scale. At the end of the term, we will request student outcome data for math and English courses along with data from the NCV scale implemented.

Outlined below are 6 steps that we ask your college to complete for full implementation:

1. Work with your multiple measures campus-based team to select a NCV scale:

   If you choose a scale that is not one of the recommended scales, please submit a description of the scale including any web links or documentation and a brief note on your rationale for choosing it to newellmallory@fhda.edu.

2. Consider opting-in to the Open CCCApply application which includes the MMAP team recommended questions to collect self-reported data. Contact John Hadad (jhadad@ccctechcenter.org) to opt-in. The self-reported data questions are available for viewing at this [link](#).

3. Once you have selected your NCV scale(s), provide Mallory Newell (newellmallory@fhda.edu) with the following information:
   - Institution name
   - NCV scale implemented (include question items and response options)
   - Self-reported data questions (if included)
4. Work with your Institutional Research Office to:
   - Set up an automated survey with the questions from the scale you chose
   - Collect the data from student responses in a secure location
   - Include a way to match the survey data to student enrollment, course success, and demographic data.

We also recommend that you make the NCV questions and data available to the assessment/counseling staff to review.

5. With your MMAP team, determine the following:
   - Which students will complete the NCV scale? For instance, it may not be feasible to collect from ESL students if multiple language versions are not available.
   - Will the scale be completed along with your current placement test?
   - Begin to consider possible ways the scale results might be used, understanding that you should wait to base the final decisions on empirical evidence yet to be validated by the research team.
     - **Example 1**: If a student scores X on the NCV scale, they will be placed into the next level course. That is, they will receive a “multiple measures boost”.
     - **Example 2**: If a student scores X on the NCV scale, they will receive a X point increase on their placement score.
     - **Example 3**: If a student answers X on the NCV scale, they will still be placed into the appropriate course based on their high school transcript information and/or placement test score, but counseling will make suggestions/requirements for them to access support services.
     - **Example 4**: If a student does not have a cumulative high school GPA in the database, NCV scores may be used to corroborate self-reported GPA.

6. At the end of your pilot term, we will ask you to submit the following information to Cal-PASS Plus:
   - NCV scale information (i.e., scale name and questions/response options, score descriptions)
   - Student responses to the scales
   - Placement data for the students
   - Course outcome data and student demographic data that can be linked to students’ responses to the scales

A data guide is available to walk you through the steps of returning your pilot college data back to Cal-PASS Plus for inclusion in the statewide analysis: [Guide for Uploading Your MMAP Data to Cal-PASS Plus](#).

For more information on Non Cognitive Variables or to request assistance, please contact:

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