

# Adoption of Effective Practices to Support the Transition to Postsecondary Education: Developing a Systematic Program Review Protocol

December 6, 2018

Virginia College Access Network (VCAN Conference), Norfolk, VA

## Handout 5: Applying Your Knowledge of ESSA Evidence Levels [*Teacher's Guide for Castleman et al., 2014*]

Key questions	Response options*	Explanation: How do you know? **
1. Were students randomly assigned?	a) <b>Yes</b> b) No	<b>The body of the narrative mentioned random assignment or baseline equivalence.</b>
2. Is equivalence established at baseline for the participants (or groups)?	a) Yes b) <b>No</b>	<b>The body of narrative mentioned random assignment and is therefore not applicable</b> , or the narrative mentions baseline equivalence, or the sample does not include a comparison group.
3. What type of study design was used?	a) <b>Experimental</b> b) Quasi-experimental (QED) c) Correlational	<ul style="list-style-type: none"> <li>• <b>Experimental = References to random assignment.</b></li> <li>• QED = References to baseline equivalence.</li> <li>• Correlational = References to correlations among variables of interest including outcome(s), but absent any comparison group(s).</li> </ul>
4. What else do you need to know to determine the level of evidence rating?	<i>Discuss and write responses.</i>	<b>The experimental study (i.e., Castleman et al., 2014) description does not include information about attrition or confounding.</b>
5. Did the study have positive findings?	a) <b>Yes</b> b) No	<b>Examine the <i>p</i>-value for the outcome variable(s), and look for values &lt; .05.</b>
6. What other information would you want to know before deciding to adopt this program or practice?	<i>Discuss and write responses.</i>	<ul style="list-style-type: none"> <li>• <b>Costs</b></li> <li>• <b>Others that participants may identify</b></li> </ul>
7. What is the highest WWC rating this study is potentially eligible for based on the information you have?	a) <b>Meets WWC standards without reservations</b> b) Meets WWC standards with reservations c) Does not meet WWC standards	The answer depends on the study's design and implementation: <ul style="list-style-type: none"> <li>• <b>Experimental</b></li> <li>• QED</li> <li>• Correlational</li> </ul>
8. What is the highest ESSA evidence level rating this study is potentially eligible for based on the information you have?	a) <b>Strong</b> b) Moderate c) Promising d) Rationale	The answer depends on the study's design and implementation: <ul style="list-style-type: none"> <li>• <b>Experimental</b></li> <li>• QED</li> <li>• Correlational</li> </ul>

\*Correct answers are in bold. \*\*Questions, responses, and explanations apply to the two studies referenced and used for this activity.

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## Handout 5: Applying Your Knowledge of ESSA Evidence Levels [*Teacher's Guide for Murphy et al., 2010*]

Key questions	Response options*	Explanation: How do you know?***
1. Were students randomly assigned?	a) Yes b) <b>No</b>	<b>The body of narrative mentioned random assignment or baseline equivalence.</b>
2. Is equivalence established at baseline for the participants (or groups)?	a) <b>Yes</b> b) No	The body of narrative mentioned random assignment and is therefore not applicable, or <b>the narrative mentions baseline equivalence</b> , or the sample does not include a comparison group.
3. What type of study design was used?	a) Experimental b) <b>Quasi-experimental (QED)</b> c) Correlational	<ul style="list-style-type: none"> <li>• Experimental = References to random assignment.</li> <li>• <b>QED = References to baseline equivalence.</b></li> <li>• Correlational = References to correlations among variables of interest including outcome(s), but absent any comparison group(s).</li> </ul>
4. What else do you need to know to determine the level of evidence rating?	<i>Discuss and write responses.</i>	
5. Did the study have positive findings?	a) <b>Yes</b> b) No	<b>Examine the <i>p</i>-value for the outcome variable(s), and look for values &lt; .05.</b>
6. What other information would you want to know before deciding to adopt this program or practice?	<i>Discuss and write responses.</i>	
7. What is the highest WWC rating this study is potentially eligible for based on the information you have?	a) Meets WWC standards without reservations b) <b>Meets WWC standards with reservations</b> c) Does not meet WWC standards	The answer depends on the study's design and implementation: <ul style="list-style-type: none"> <li>• Experimental</li> <li>• <b>QED</b></li> <li>• Correlational</li> </ul>
8. What is the highest ESSA evidence level rating this study is potentially eligible for based on the information you have?	a) Strong b) <b>Moderate</b> c) Promising d) Rationale	The answer depends on the study's design and implementation: <ul style="list-style-type: none"> <li>• Experimental</li> <li>• <b>QED</b></li> <li>• Correlational</li> </ul>

\*Correct answers are in bold. \*\*\*Questions, responses, and explanations apply to the two studies referenced and used for this activity.