

Evidence for IIA Personalized Professional Development or Class Size Reduction

1 Identified Need: Describe the need that has been identified and the data/information that was used to identify the need.

2 Proposed Professional Development Practice: Describe the proposed professional development that is intended to address the need.

Present evidence supporting the proposed practice by completing the chartⁱ below with up to three studies, illustrating how the evidence level of the proposed activity was determined.

Question	In each column, address the question for each study, using the response options listed; make notes in the columns if needed.	Study 1	Study 2	Study 3
3	Provide a brief citation of the study			

Question	In each column, address the question for each study, using the response options listed; make notes in the columns if needed.	Study 1	Study 2	Study 3
4a	<p>Was this study a well-designed and well-implemented randomized controlled trial (RCT), as defined by ESSA?</p> <p>If “Yes,” go to 4b. If “No” or “Not enough information,” go to 5a.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information
4b	<p>For this RCT, is there a statistically significant favorable effect of the intervention on the relevant outcome(s)?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4c	<p>For this RCT, is there a statistically significant and overriding unfavorable effect on the relevant outcome(s)?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
4d	<p>Does this RCT provide STRONG EVIDENCE for the intervention?</p> <p>If the response to row 4b is “Yes” and the response to 4c is “No,” mark “Yes” in this row, then proceed to question 8. If the response to row 4b is “No” and the response to row 4c is “Yes,” mark “No” in this row, then proceed to question 5a.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5a	<p>Was this study a well-designed and well-implemented quasi-experimental design (QED), as defined by ESSA?</p> <p>If “Yes,” go to 5b. If “No” or “Not enough information,” go to 6a.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information

Question	In each column, address the question for each study, using the response options listed; make notes in the columns if needed.	Study 1	Study 2	Study 3
5b	For this QED study, is there a statistically significant <i>favorable</i> impact of the intervention on the relevant outcome(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5c	For this QED study, is there a statistically significant and overriding <i>unfavorable</i> effect on the relevant outcome(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
5d	Does this QED study provide MODERATE EVIDENCE for the intervention? If the response to row 5b is “Yes” and the response to 5c is “No,” mark “Yes” in this row, then proceed to question 8. If the response to row 5b is “No” and the response to row 5c is “Yes,” mark “No” in this row, then proceed to question 6a.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6a	Was this study a well-designed and well-implemented correlational study, as defined by ESSA? If “Yes,” go to 6b. If “No” or “Not enough information,” go to 7.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information
6b	For this correlational study, is there a statistically significant <i>favorable</i> impact of the intervention on the relevant outcome(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6c	For this correlational study, is there a statistically significant and overriding <i>unfavorable</i> effect on the relevant outcome(s)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Question	In each column, address the question for each study, using the response options listed; make notes in the columns if needed.	Study 1	Study 2	Study 3
6d	<p>Does this correlational study provide PROMISING EVIDENCE for the intervention?</p> <p>If the response to 6b is “Yes” and the response to 6c is “No,” mark “Yes” in this row, then proceed to question 8.</p> <p>If the response to 6b is “No” and the response to 6c is “Yes,” mark “No” in this row, then proceed to question 7.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
7	<p>Does this study DEMONSTRATE A RATIONALE for using the intervention? In other words, does this study suggest that the intervention is likely to improve a relevant outcome?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Enough Information
8	<p>Examining the information for questions 4d, 5d, 6d, and 7, what is the highest level of evidence provided by each study for the intervention?</p> <p>Response options: Strong, Moderate, Promising, or Demonstrates a rationale</p>	<input type="checkbox"/> Strong <input type="checkbox"/> Moderate <input type="checkbox"/> Promising <input type="checkbox"/> Demonstrates a rationale	<input type="checkbox"/> Strong <input type="checkbox"/> Moderate <input type="checkbox"/> Promising <input type="checkbox"/> Demonstrates a rationale	<input type="checkbox"/> Strong <input type="checkbox"/> Moderate <input type="checkbox"/> Promising <input type="checkbox"/> Demonstrates a rationale

¹ Chart from Tool 5 of West Ed’s [Evidence-Based Improvement: A Guide for States to Strengthen Their Frameworks and Supports Aligned to the Evidence Requirements of ESSA](#), by Sylvie Hale, Lenay Dunn, Nikola Filby, John Rice, Lori Van Houten.