Inter-rater Reliability Calculation

CoARC Standard 3.11:
The program must develop processes that facilitate the development of inter-rater reliability among those individuals who perform student clinical evaluations.¹

Minimal evidence of compliance associated with this Standard:

a. Records of training participation by clinical evaluators
In order to determine inter-rater reliability (IRR) of clinical evaluators by percentage agreement, preceptors should:

• Review the PowerPoint presentations for each module;
• Watch the accompanying videos;
• In the workbook, record errors that were made by the ineffective preceptor in each video;
• Check responses with the Answer Key provided in the workbook.
• For percentage agreement, \( A = \frac{O}{P} \)
  - \( A \) = the agreement rate (inter-rater reliability by percent agreement)
  - \( O \) = observed agreement (number of errors recorded by preceptor)
  - \( P \) = possible agreement (number of errors listed in the answer key)

Categorize percentage agreement as follows²:
• Excellent (80 – 100%)
• Good (60 – 79%)
• Moderate (40 – 59%)
• Slight (20 – 39%)

b. Results of a review of student evaluations for the purpose of determining inter-rater reliability
For review of your program’s student records, sample a percentage of your preceptors’ evaluations of a sample of RT students, and apply this model.

Reporting IRR to CoARC

There is no form for reporting IRR on the self-study. The evidence of compliance includes a narrative and records/results provided at the time of the site visit.
