

BIostatISTICS COMPETENCIES ASSESSMENT FORM

To be completed by the student’s major professor/supervisor for students who graduated during the academic year (summer, fall and spring semesters)

Print student name: _____

Circle semester: Summer fall spring Year, 20_____

IP major professor/supervisor – print name: _____

IP major professor/supervisor – sign name: _____

Biostatistics Competencies

Assess the extent to which the student demonstrated mastery of the following Biostatistics competencies in the integrative project (**assess a minimum of 2 competencies**).

1. Describe the roles biostatistics serves in the discipline of public health.

Expert Proficient Adequate Novice Not applicable

2. Describe preferred methodological alternatives to commonly used statistical methods when assumptions are not met.

Expert Proficient Adequate Novice Not applicable

3. Distinguish among the different measurement scales and the implications for selection of statistical methods to be used based on these distinctions.

Expert Proficient Adequate Novice Not applicable

4. Apply descriptive techniques commonly used to summarize public health data.

Expert Proficient Adequate Novice Not applicable

5. Apply common statistical methods for inference.

Expert Proficient Adequate Novice Not applicable

6. Apply descriptive and inferential methodologies according to the type of study design for answering a specific research question.

Expert Proficient Adequate Novice Not applicable

7. Apply basic informatics techniques with vital statistics and public health records in the description of public health characteristics and in public health research and evaluation.

Expert Proficient Adequate Novice Not applicable

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8. Interpret results of statistical analyses found in public health and health related science research including more complex studies based on linear modeling or regression analysis.

Expert Proficient Adequate Novice Not applicable

9. Develop written and oral presentations based on statistical analyses for both public health professionals and educated lay audiences.

Expert Proficient Adequate Novice Not applicable

10. Use and explain linear (simple and multiple) and logistic regression.

Expert Proficient Adequate Novice Not applicable

11. Use and explain group comparison procedures.

Expert Proficient Adequate Novice Not applicable

Comments: