

## Course: Researcher 1-2

credits: 1

<b>Course code</b>	PHLM19ONZ1-2
<b>Name</b>	Researcher 1-2
<b>Study year</b>	2022-2023
<b>ECTS credits</b>	1
<b>Language</b>	Dutch, with parts in English
<b>Coordinator</b>	K.M. Menninga

<b>Modes of delivery</b>	Tutorial
<b>Assessments</b>	Data analysis - Assignment

### Learning outcomes

For the course Researcher 1-1, 1-2 en 1-3 the learning outcomes are formulated based on the CanMeds professional role Scholar, namely:

#### Scholar:

- During curricular activities, the student demonstrates mastery of the knowledge needed to perform effectively in the role of scholar.
- The student assesses findings from national/international scientific research for their relevance to medical practice, with due regard for methodological quality.
- The student can account for their own professional conduct on the basis of their interpretation of methodological and statistical aspects of a scientific article.

### Content

The professional conduct of the PA is assumed to be evidence-based, i.e. based on evidence from scientific research. Therefore, it is important that students can appraise the results and conclusions from studies on the methodological quality, outcomes and relevance. During the Researcher-1 students are taught to evaluate scientific research in relation to the learning trajectory Medical Practice. The student conducts two conditional assignments: a review assignment and a statistical analysis assignment.

The review assignment (PHLM19ONZ1-1) focuses on the results chapter. In this results chapter, unlike the results chapter of a systematic review article, the student will include his own interpretation of the articles. Or in other words, the student must demonstrate that he understands what has emerged from the articles, including relevance and what the outcomes mean in relation to the formulated research question. The lecturers of this course provide several sets of articles of which the student chooses one set. From this set, the student chooses one statistical technique that is similar in all articles (for example a t-test). Subsequently, the student demonstrates how he / she interprets these articles: think of difference in significance and relevance, differences within and between scores). The practical skills are tested by means of an assignment (PHLM19ONZ1-2) according to the format Introduction, Methods, Results, Discussion and Conclusion, where students are given a dataset describing a problem. On basis of this information students formulate a research question and conduct statistical analyses on the data. Analyses connect directly to the content of the lectures. This will allow students to become more familiar with conducting research and applying statistics. Moreover, several Master skills like interpreting, generalizing and concluding will be practised at an early stage in the curriculum. Students may work in pairs. In addition, students will have a written exam (PHLM19ONZ1-3) to assess the knowledge of basic statistics and methodology.

### Included in programme(s)

M Physician Assistant

### School(s)

School of Health Care Studies