Instructions:

**To complete this assessment:**

1. **Download the Written Assignment 2 (Quantitative) template from the Assignment tab/Written Assignment 2/Suggested Procedures section of Canvas**
2. **Download the quantitative article used to fill out this template from the Assignment 2 tab of Canvas**
3. **Read and critically engage with the assigned article to answer each of the sections in the template**
4. **Leave the headings and description on the left side of the template unaltered and provide your answers on the right side.**
5. **Write your responses in your own words as much as possible. If you quote any material, please use quotation marks and indicate the page number of the article where the quote is found. There is no need to provide an in-text citation for each response.**
6. **Due to the template format the similarity index in Turn-it-in might be high. The markers have been instructed to ignore this where it relates to template headings.**
7. **Try to use bullet points or short sentences to answer the questions in the template.**
8. **Submit your completed template on or before the due date to the Assignments tab in Canvas**
9. **The word count for this assignment is 1500 +/-**10% in total (excluding the template wording).

**Due Date: Monday OCT 10TH 4pm 2022**

**HEAL610 – Assignment 2, Quantitative study**

**Name:**

**Student ID:**

**Literature details and critical questions around the research:**

|  |  |  |
| --- | --- | --- |
| **Bias**  **(LO1)**  **Ethical considerations (LO1)** | Describe what the article states about the below **4 biases** (only if directly addressed):   * Funding sources; * Conflicts of interest; * Coercion; and * Compensation of participants. |  |
| Discuss how **two (2)** of the following ethical issues were considered in your chosen article:   * Informed consent; * Do good or do no harm (beneficence/ non-maleficence); * Respect anonymity, confidentiality and privacy; * Avoid deception (integrity); * Right to refusal or withdrawal; and * Vulnerable groups of people. |  |
| Was formal ethical approval obtained for this study? If so, where from? |  |
| **Validity**  **(LO1)** | How did the study address validity (accuracy)? Include **one aspect** of internal validity and **one aspect** of external validity.  (See Session 11, slides 13-14 if unsure)  Internal validity = accuracy of measure  External validity = application to other contexts |  |
| **Reliability** | Did the study address **reliability of the measurement instrument**(s)? |  |

## **PICO framework and critique of the study:**

|  |  |  |
| --- | --- | --- |
| **Problem**  **(LO2)** | * What is the **problem** (research aim or question) that is being investigated? * What **justification** was provided for this problem (e.g., a **gap** in the existing literature or professional knowledge)? |  |
| **Alignment**  **(LO2)** | Explain how **numbers** influence the alignment (connection) in this article between the:   * **Research question**; * Research **design**; * **Analysis**; and * **Conclusions**. |  |
| **Population of interest (LO3)** | What was the population of interest? |  |
|  | Describe the sampling techniques used to address the research question:   * Method of **recruitment**; * Method of **selection**; and * **Sample size;** and * **Sample characteristics**. |  |
| **Intervention or observation**  **(LO3)** | Was this an **observational or experimental** study? |  |
|  | * What was the independent variable(s)? |  |
| * What was one (1) possible **confounding variable?** * How might this have affected the results? |  |
| **Comparison (LO3)** | **What comparisons are made in this research to answer the research questions?** |  |
| **Outcome measures**  **(LO3)** | What were the primary outcome measures of the study? (What was the **dependent variable**(s) being measured?)  **How were these outcomes measured?** |  |
| **Analysis tools** | How were the data analysed (e.g., specify the type of statistical analysis identified in the article?   * **Descriptive statistics** (hint: what statistics did they use to describe their sample?); * **Inferential statistics** (hint: These statistics used to infer to wider population). |  |
| **Study**  **results** | What were the **results** of the **quantitative analysis** of the four questionnaires (include means, standard deviation, *t*-tests and *p*-values)? |  |
| **Implications for practice** | **Discussion** - What is **one** **(1)** **implication for practice** suggested by the authors? |  |
| **Future research** | According to the author(s) what was **one (1)** **future research** recommendation? |  |
| **Conclusions** | Overall, what were the **conclusions** of the study? |  |

**LO4 – Academic standard** – Make sure your written expression is clear and in your own words.

**LO4 – Citation** Write a reference list entry in **APA7th format** for the article used in this assessment here.