

## **NURS 6521 Week 2 Assignment: Pharmacotherapy for Cardiovascular Disorders\**

...heart disease remains the No. 1 killer in America; nearly half of all Americans have high blood pressure, high cholesterol, or smoke—some of the leading risk factors for heart disease...

—Murphy et al., 2018

Despite the high mortality rates associated with cardiovascular disorders, improved treatment options do exist that can help address those risk factors that afflict the majority of the population today.

As an advanced practice nurse, it is your responsibility to recommend appropriate treatment options for patients with cardiovascular disorders. To ensure the safety and effectiveness of drug therapy, advanced practice nurses must consider aspects that might influence pharmacokinetic and pharmacodynamic processes such as medical history, other drugs currently prescribed, and individual patient factors.

Reference: Murphy, S. L., Xu, J., Kochanek, K. D., & Arias, E. (2018). Mortality in the United States, 2017. Retrieved from

<https://www.cdc.gov/nchs/products/databriefs/db328.htm>

## To Prepare

- Review the Resources for this module and consider the impact of potential pharmacotherapeutics for cardiovascular disorders introduced in the media piece.
- Review the case study assigned by your Instructor for this Assignment.
- Select one the following factors: genetics, gender, ethnicity, age, or behavior factors.
- Reflect on how the factor you selected might influence the patient's pharmacokinetic and pharmacodynamic processes.
- Consider how changes in the pharmacokinetic and pharmacodynamic processes might impact the patient's recommended drug therapy.
- Think about how you might improve the patient's drug therapy plan based on the pharmacokinetic and pharmacodynamic changes. Reflect on whether you would modify the current drug treatment or provide an alternative treatment option for the patient.

## By Day 7 of Week 2

Write a 2- to 3-page paper that addresses the following:

- Explain how the factor you selected might influence the pharmacokinetic and pharmacodynamic processes in the patient from the case study you were assigned.

- Describe how changes in the processes might impact the patient's recommended drug therapy. Be specific and provide examples.
- Explain how you might improve the patient's drug therapy plan and explain why you would make these recommended improvements.

Reminder: The College of Nursing requires that all papers submitted include a title page, introduction, summary, and references. The College of Nursing Writing Template with Instructions provided at the Walden Writing Center offers an example of those required elements (available at <https://academicguides.waldenu.edu/writingcenter/templates/general#s-lg-box-20293632>).

All papers submitted must use this formatting.

#### Submission and Grading Information

To submit your completed Assignment for review and grading, do the following:

- Please save your Assignment using the naming convention "WK2Assgn+last name+first initial.(extension)" as the name.
- Click the Week 2 Assignment Rubric to review the Grading Criteria for the Assignment.
- Click the Week 2 Assignment link. You will also be able to "View Rubric" for grading criteria from this area.

- Next, from the Attach File area, click on the Browse My Computer button. Find the document you saved as “WK2Assgn+last name+first initial.(extension)” and click Open.
- If applicable: From the Plagiarism Tools area, click the checkbox for I agree to submit my paper(s) to the Global Reference Database.
- Click on the Submit button to complete your submission.

## Grading Criteria

To access your rubric:

## Week 2 Assignment Rubric

## Check Your Assignment Draft for Authenticity

To check your Assignment draft for authenticity:

Submit your Week 2 Assignment draft and review the originality report.

## Submit Your Assignment by Day 7 of Week 2

To participate in this Assignment:

## Week 2 Assignment