

Supplementary Materials

Pre-Test Questionnaire

Q#: _____

Year of birth: _____

1. Factors that can affect how a person responds to a medication include:
 - a. Age
 - b. Sex
 - c. Lifestyle
 - d. Genetics
 - e. Other drugs
 - f. All of the above
 - g. I don't know

2. Your DNA is passed down from:
 - a. Your mother
 - b. Your father
 - c. Both your mother and your father
 - d. Neither your mother nor your father
 - e. I don't know

3. Your DNA contains instructions for:
 - a. The color of your eyes
 - b. Your blood type
 - c. How you respond to medications
 - d. All of the above
 - e. I don't know

4. Pharmacogenomics is the study of:
 - a. Drug side effects
 - b. How your DNA affect your responses to medications
 - c. How medications can change your DNA
 - d. How drugs are prescribed
 - e. I don't know

5. Pharmacogenomic testing can:
 - a. Help find the most effective medication
 - b. Help avoid side effects
 - c. Help find the best dose of a medication
 - d. All of the above
 - e. I don't know

6. It is important that I can control who has access to my genetic information
 - a. Strongly agree
 - b. Agree
 - c. Neutral
 - d. Disagree
 - e. Strongly disagree

 7. If I have access to my pharmacogenomic test results, I would share my results with (**circle all that apply**):
 - a. Healthcare provider
 - b. Pharmacist
 - c. Spouse/partner
 - d. Parents
 - e. Siblings
 - f. Children
 - g. Friends
 - h. Social media
 - i. Others (please specify):
 - j. I would not share my results

 8. If I have access to my pharmacogenomic test results, I would encourage a friend or family member to consider getting pharmacogenomic testing:
 - a. Strongly agree
 - b. Agree
 - c. Neutral
 - d. Disagree
 - e. Strongly disagree
-

The following case scenario applies to questions 9-10:

Imagine that you are a patient who got pharmacogenomic testing for an acid reflux medication, omeprazole.

9. What could the pharmacogenomic test result tell you about this medication?
 - a. Whether I will experience nausea and vomiting when using omeprazole
 - b. Whether omeprazole will be an effective medication for me to treat acid reflux
 - c. Whether I will be allergic to omeprazole
 - d. Pharmacogenomic testing is irrelevant to omeprazole
 - e. I don't know

 10. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing omeprazole
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree
-

The following case scenario applies to questions 11-13:

Imagine that you are a patient who got pharmacogenomic testing for a pain medication, codeine.

11. What could the pharmacogenomic test result tell you about this medication?
 - a. Whether I will need a different dose of codeine or a different medication for pain relief
 - b. Whether I will become addicted to codeine
 - c. Whether I will have nausea and vomiting when using codeine
 - d. Pharmacogenomic testing is irrelevant to codeine
 - e. I don't know

12. Based on your test results for codeine, which of the following medications may not be an appropriate alternative for the treatment of your pain?
 - a. Aspirin
 - b. Oxycodone
 - c. Tylenol
 - d. None of these medications would be affected
 - e. I don't know

13. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing codeine
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree

The following case scenario applies to questions 14-16:

Imagine that you are a patient who got pharmacogenomic testing for a cholesterol medication, simvastatin.

14. What could the pharmacogenomic test result tell you about this medication?
 - a. Whether I will have a rash when using simvastatin
 - b. Whether I will have heartburn when using simvastatin
 - c. Whether I will have muscle pain when using simvastatin
 - d. Pharmacogenomic testing is irrelevant to simvastatin
 - e. I don't know

15. Based on your test results for simvastatin, what would you do next?
 - a. Call my doctor and discuss with him/her my concerns
 - b. Stop taking simvastatin on my own
 - c. Take a lower dose of simvastatin
 - d. Start taking a different over-the-counter medication
 - e. I don't know

16. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing simvastatin
- Strongly agree
 - Agree somewhat
 - Not sure
 - Disagree somewhat
 - Strongly disagree

The following case scenario applies to questions 17-19:

Imagine that you are a patient who got pharmacogenomic testing for a medication to prevent blood clots called clopidogrel.

17. What could your pharmacogenomic test result tell you about this medication?
- Whether I will be allergic to clopidogrel
 - Whether I will have nausea and vomiting when using clopidogrel
 - Whether clopidogrel is an effective medication for me to prevent blood clots
 - Pharmacogenomic testing is irrelevant to clopidogrel
 - I don't know
18. Based on your test results for clopidogrel, what medication(s) could be good alternative(s) for you to prevent blood clots?
- Prasugrel
 - Ticagrelor
 - Both prasugrel and ticagrelor are good alternatives for me
 - None of these medications would be good alternatives for me
 - I don't know
19. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing clopidogrel
- Strongly agree
 - Agree somewhat
 - Not sure
 - Disagree somewhat
 - Strongly disagree

Post-Test Questionnaire

Q#: _____

Year of birth: _____

1. Factors that can affect how a person responds to a medication include:
 - a. Age
 - b. Sex
 - c. Lifestyle
 - d. Genetics
 - e. Other drugs
 - f. All of the above
 - g. I don't know

2. Your DNA is passed down from:
 - a. Your mother
 - b. Your father
 - c. Both your mother and your father
 - d. Neither your mother nor your father
 - e. I don't know

3. Your DNA contains instructions for:
 - a. The color of your eyes
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4. Pharmacogenomics is the study of:
 - a. Drug side effects
 - b. How your DNA affect your responses to medications
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 - d. How drugs are prescribed
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5. Pharmacogenomic testing can:
 - a. Help find the most effective medication
 - b. Help avoid side effects
 - c. Help find the best dose of a medication
 - d. All of the above
 - e. I don't know

6. It is important that I can control who has access to my genetic information

- f. Strongly agree
 - g. Agree
 - h. Neutral
 - i. Disagree
 - j. Strongly disagree
7. If I have access to my pharmacogenomic test results, I would share my results with (**circle all that apply**):
- a. Healthcare provider
 - b. Pharmacist
 - c. Spouse/partner
 - d. Parents
 - e. Siblings
 - f. Children
 - g. Friends
 - h. Social media
 - i. Others (please specify):
 - j. I would not share my results
8. If I have access to my pharmacogenomic test results, I would encourage a friend or family member to consider getting pharmacogenomic testing:
- a. Strongly agree
 - b. Agree
 - c. Neutral
 - d. Disagree
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 - b. Whether omeprazole will be an effective medication for me to treat acid reflux
 - c. Whether I will be allergic to omeprazole
 - d. Pharmacogenomic testing is irrelevant to omeprazole
 - e. I don't know
10. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing omeprazole
- a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
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Imagine that you are a patient who got pharmacogenomic testing for a pain medication, codeine.

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 - a. Whether I will need a different dose of codeine or a different medication for pain relief
 - b. Whether I will become addicted to codeine
 - c. Whether I will have nausea and vomiting when using codeine
 - d. Pharmacogenomic testing is irrelevant to codeine
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12. Based on your test results for codeine, which of the following medications may not be an appropriate alternative for the treatment of your pain?
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 - b. Oxycodone
 - c. Tylenol
 - d. None of these medications would be affected
 - e. I don't know

13. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing codeine
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree

The following case scenario applies to questions 14-16:

Imagine that you are a patient who got pharmacogenomic testing for a cholesterol medication, simvastatin.

14. What could the pharmacogenomic test result tell you about this medication?
 - a. Whether I will have a rash when using simvastatin
 - b. Whether I will have heartburn when using simvastatin
 - c. Whether I will have muscle pain when using simvastatin
 - d. Pharmacogenomic testing is irrelevant to simvastatin
 - e. I don't know

15. Based on your test results for simvastatin, what would you do next?
 - a. Call my doctor and discuss with him/her my concerns
 - b. Stop taking simvastatin on my own
 - c. Take a lower dose of simvastatin
 - d. Start taking a different over-the-counter medication
 - e. I don't know

16. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing simvastatin
- Strongly agree
 - Agree somewhat
 - Not sure
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The following case scenario applies to questions 17-19:

Imagine that you are a patient who got pharmacogenomic testing for a medication to prevent blood clots called clopidogrel.

17. What could your pharmacogenomic test result tell you about this medication?
- Whether I will be allergic to clopidogrel
 - Whether I will have nausea and vomiting when using clopidogrel
 - Whether clopidogrel is an effective medication for me to prevent blood clots
 - Pharmacogenomic testing is irrelevant to clopidogrel
 - I don't know
18. Based on your test results for clopidogrel, what medication(s) could be good alternative(s) for you to prevent blood clots?
- Prasugrel
 - Ticagrelor
 - Both prasugrel and ticagrelor are good alternatives for me
 - None of these medications would be good alternatives for me
 - I don't know
19. Based on my current knowledge, I wish my doctor had pharmacogenomic information before prescribing clopidogrel
- Strongly agree
 - Agree somewhat
 - Not sure
 - Disagree somewhat
 - Strongly disagree
-

Usability and understandability of the patient portal

1. The patient portal was easy for me to use
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree

2. The patient portal contained a lot of technical or complicated words I did not understand
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree

3. I had enough time to evaluate the contents of the patient portal
 - a. Strongly agree
 - b. Agree somewhat
 - c. Not sure
 - d. Disagree somewhat
 - e. Strongly disagree