

Appendix D: Questionnaires

Consumer Pretest Questionnaire

Programmer Notes

Participants should not be able to go back in the survey, only forward.

Unless otherwise indicated, only one question should appear per screen.

Require an answer to all screener questions. Prompt for an answer to all other questions: "Are you sure you don't want to provide a response?"

For all Likert scale questions, flip scale for half of participants (randomize); scale orientation should be consistent for each respondent (e.g., a respondent should see either all high/positive options on the left or all low/negative options on the left).

//MAIN STUDY INTRODUCTION TEXT//

INTRODUCTION

Thank you for agreeing to participate in this study today. This study is about advertisements for prescription medications. We will show you some ads and then ask you some questions about them. If you typically wear glasses or contacts for reading or using a computer or mobile device, please make sure to wear them while viewing these materials. Please maximize your browser window so you can easily view the ads.

//NEW SCREEN//

INSTRUCTIONS

You will now see a series of pages from ads for medications used to treat health conditions that may affect you or your loved ones at some point during your lives. Please take a few moments to read and think about each ad as it is shown, and imagine you have the health condition that the medication is meant to treat.

PROGRAMMER:

- Randomize the following blocks: Zoridtic, Eproquant, Desyflux (each block includes an ad followed by an assortment of questions)

- Randomize disclosure condition within each drug type (each disclosure condition should be shown an equal number of times for each drug)
- Show each ad for 30 seconds, then show a “Next” button for participants to advance at their own pace
- For all questions about a specific drug, show the logo of the relevant drug at the top of the screen. Placement should be consistent for each question and each drug.
- Omit internal notes (shown in red).
- Additional data required for each participant:
 - o Device type
 - o Operating system
 - o Browser type
 - o Resolution (when possible)
 - o Amount of time spent on each ad (in seconds)
 - o Ad order for each ad
 - o Disclosure condition for each ad
 - o Page and question order as noted throughout

//ZORIDTIC BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Zoridtic ad for 30 seconds, then show a "Next" button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q1. Were you able to see and read the Zoridtic ad on your device?

Variable Label: Q1: Were you able to see and read the Zoridtic ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Zoridtic. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Zoridtic, please try your best to answer all of the questions.

Question Type: Essay

Q2. According to the ad, what is Zoridtic used for? [Unaided recall]

Variable Label: Q2: According to the ad, what is Zoridtic used for?

Value	Value Label
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-99	Refused
-100	Valid skip

Question Type: Essay

Q3. What, if anything, did the ad mention Zoridtic is not approved for? [Unaided recall]

Variable Label: Q3: What, if anything, did the ad mention Zoridtic is not approved for?

Value	Value Label
-99	Refused
-100	Valid skip

[Randomize order of Q4 page and Q5 page; record order]

Question Type: Single Punch

Q4. How effective do you think Zoridtic would be for helping you control high blood pressure? Please provide your best guess, based on what you read in the ad. [Efficacy]

Variable Label: Q4: How effective do you think Zoridtic would be for helping you control high blood pressure? Please provide your best guess, based on what you read in the ad.

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q5. How effective do you think Zoridtic would be for helping you prevent a heart attack or stroke? Please provide your best guess, based on what you read in the ad. [False claim perceptions]

Variable Label: Q5: How effective do you think Zoridtic would be for helping you prevent a heart attack or stroke? Please provide your best guess, based on what you read in the ad

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

[Randomize order of Q6–Q7; record order]

Question Type: Single Punch

Q6. If you were diagnosed with high blood pressure, how likely would you be to seek additional information about Zoridtic from a source other than your health care provider? [Interest/information seeking intention]

Variable Label: Q8: If you were diagnosed with high blood pressure, how likely would you be to seek additional information about Zoridtic from a source other than your health care provider?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q7. If you were concerned about heart attacks or strokes, how likely would you be to seek additional information about Zoridtic from a source other than your health care provider? [Interest/information seeking intention – incorrect]

Variable Label: Q9: If you were concerned about heart attacks or strokes, how likely would you be to seek additional information about Zoridtic from a source other than your health care provider?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

[Randomize order of Q8–Q9; record order]

Question Type: Single Punch

Q8. If you were diagnosed with high blood pressure, how likely would you be to ask your doctor for more information about Zoridtic? [Behavioral intention]

Variable Label: Q6: If you were diagnosed with high blood pressure, how likely would you be to ask your doctor for more information about Zoridtic?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q9. If you were concerned about heart attacks or strokes, how likely would you be to ask your doctor for more information about Zoridtic? [Behavioral intention – incorrect]

Variable Label: Q7: If you were concerned about heart attacks or strokes, how likely would you be to ask your doctor for more information about Zoridtic?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Grid

Q10. Which of the following statements appeared in the ad for Zoridtic? Select all that apply. [Recognition of claim and disclosure]

Variable Label: Q10: Which of the following statements appeared in the ad for Zoridtic?

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q10_A	Zoridtic has not been tested as treatment or prevention for cardiovascular events, including heart attack and stroke	Q10_A: Zoridtic has not been tested as treatment or prevention for cardiovascular events, including heart attack and stroke
Q10_B	Zoridtic can significantly lower high blood pressure within 2 weeks	Q10_B: Zoridtic can significantly lower high blood pressure within 2 weeks
Q10_C	Medications that lower your blood pressure also lower your risk for heart attack and stroke	Q10_C: Medications that lower your blood pressure also lower your risk for heart attack and stroke
Q10_D	Zoridtic may increase your risk for heart attack or stroke	Q10_D: Zoridtic may increase your risk for heart attack or stroke
Q10_E	You should not take Zoridtic if you have diabetes	Q10_E: You should not take Zoridtic if you have diabetes
Q10_F	Zoridtic may cause headaches or dizziness	Q10_F: Zoridtic may cause headaches or dizziness

Value	Value Label
01	In ad
02	Not in ad
03	Don't know
-99	Refused
-100	Valid skip

[Present Q11 and Q12 on same page]

Question Type: Single Punch

Q11. How complicated would you say the information in the ad for Zoridtic was?
[Cognitive load]

Variable Label: Q11: How complicated would you say the information in the ad for Zoridtic was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q12. How difficult was it to understand the Zoridtic ad? [Cognitive load]

Variable Label: Q12: How difficult was it to understand the Zoridtic ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

//EPROQUANT BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Eproquant ad for 30 seconds, then show a “Next” button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q13. Were you able to see and read the Eproquant ad on your device?

Variable Label: Q13: Were you able to see and read the Eproquant ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Eproquant. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Eproquant, please try your best to answer all of the questions.

Question Type: Essay

Q14. According to the ad, what is Eproquant used for? [\[Unaided Recall\]](#)

Variable Label: Q14: According to the ad, what is Eproquant used for?

Value	Value Label
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e	
-99	Refused
-100	Valid skip

Question Type: Essay

Q15. What instructions, if any, did the ad mention for taking Eproquant? [Unaided Recall]

Variable Label: Q15: What instructions, if any, did the ad mention for taking Eproquant?

Value	Value Label
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q16. Based on the ad, how easy or hard do you think it would be to use Eproquant to help control your iron levels if you had chronic iron overload? [Ease of use]

Variable Label: Q16: Based on the ad, how easy or hard do you think it would be to use Eproquant to help control your iron levels if you had chronic iron overload?

Value	Value Label
01	Very hard
02	Somewhat hard
03	Neither easy nor hard
04	Somewhat easy
05	Very easy
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q17. Based on the ad, how easy or hard do you think it would be for you to make Eproquant part of your daily routine? [Ease of use]

Variable Label: Q17: Based on the ad, how easy or hard do you think it would be for you to make Eproquant part of your daily routine?

Value	Value Label
01	Very hard
02	Somewhat hard
03	Neither easy nor hard

04	Somewhat easy
05	Very easy
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q18. If you were diagnosed with chronic iron overload, how likely would you be to seek additional information about Eproquant from a source other than your health care provider? [Interest/information seeking intention]

Variable Label: Q19: If you were diagnosed with chronic iron overload, how likely would you be to seek additional information about Eproquant from a source other than your health care provider?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q19. If you were diagnosed with chronic iron overload, how likely would you be to ask your doctor for more information about Eproquant? [Behavioral intention]

Variable Label: Q18: If you were diagnosed with chronic iron overload, how likely would you be to ask your doctor for more information about Eproquant?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Grid

Q20. Which of the following statements appeared in the ad for Eproquant? Select all that apply. [Recognition of claim and disclosure]

Variable Label: Q20: Which of the following statements appeared in the ad for Eproquant?

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q20_A	An example of a light meal is an English muffin and cottage cheese	Q20_A: An example of a light meal is an English muffin and cottage cheese
Q20_B	Take the exact number of tablets prescribed	Q20_B: Take the exact number of tablets prescribed
Q20_C	Eproquant is a simple to take, once-daily tablet	Q20_C: Eproquant is a simple to take, once-daily tablet
Q20_D	For maximum effectiveness, Eproquant must be taken with a meal containing less than 7% fat and about 250 calories	Q20_D: For maximum effectiveness, Eproquant must be taken with a meal containing less than 7% fat and about 250 calories
Q20_E	Do not take Eproquant with alcoholic beverages	Q20_E: Do not take Eproquant with alcoholic beverages
Q20_F	Before taking Eproquant, tell your doctor if you are pregnant or may become pregnant	Q20_F: Before taking Eproquant, tell your doctor if you are pregnant or may become pregnant

Value	Value Label
01	In ad
02	Not in ad
03	Don't know
-99	Refused
-100	Valid skip

[Present Q21 and Q22 on same page]

Question Type: Single Punch

Q21. How complicated would you say the information in the ad for Eproquant was?
[Cognitive load]

Variable Label: Q21: How complicated would you say the information in the ad for Eproquant was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q22. How difficult was it to understand the Eproquant ad? [Cognitive load]

Variable Label: Q22: How difficult was it to understand the Eproquant ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

//DESYFLUX BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Desyflux ad for 30 seconds, then show a "Next" button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q23. Were you able to see and read the Desyflux ad on your device?

Variable Label: Q23: Were you able to see and read the Desyflux ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Desyflux. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Desyflux, please try your best to answer all of the questions.

Question Type: Essay

Q24. According to the ad, what is Desyflux used for? [Unaided Recall]

Variable Label: Q24: According to the ad, what is Desyflux used for?

Value	Value Label
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-99	Refused
-100	Valid skip

Question Type: Essay

Q25. What effects, if any, did Desyflux have in clinical trials? [Unaided Recall/Comprehension]

Variable Label: Q25: What effects, if any, did Desyflux have in clinical trials?

Value	Value Label
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q26. How effective do you think Desyflux would be for improving your lung function if you had COPD? Please provide your best guess, based on what you read in the ad. [Efficacy]

Variable Label: Q26: How effective do you think Desyflux would be for improving your lung function if you had COPD? Please provide your best guess, based on what you read in the ad.

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q27. If you were diagnosed with COPD, how likely would you be to seek additional information about Desyflux from a source other than your health care provider? [Interest/information seeking intention]

Variable Label: Q28: If you were diagnosed with COPD, how likely would you be to seek additional information about Desyflux from a source other than your health care provider?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q28. If you were diagnosed with COPD, how likely would you be to ask your doctor for more information about Desyflux? [Behavioral intention]

Variable Label: Q27: If you were diagnosed with COPD, how likely would you be to ask your doctor for more information about Desyflux?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q29. Based on the ad, how strong would you say the scientific evidence is for Desyflux's effectiveness? [Assessment of evidence]

Variable Label: Q29: Based on the ad, how strong would you say the scientific evidence is for Desyflux's effectiveness?

Value	Value Label
01	Very weak

02	Somewhat weak
03	Neither weak nor strong
04	Somewhat strong
05	Very strong
-99	Refused
-100	Valid skip

Question Type: Grid

Q30. Which of the following statements appeared in the ad for Desyflux? Select all that apply. [Recall of claim and disclosure]

Variable Label: Q30: Which of the following statements appeared in the ad for Desyflux?

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q30_A	Results were not statistically significant	Q30_A: Results were not statistically significant
Q30_B	Goals of COPD treatment include maintaining lung function	Q30_B: Goals of COPD treatment include maintaining lung function
Q30_C	In clinical trials, people taking Desyflux saw an average increase of 2.5 percentage points in respiratory symptom score	Q30_C: In clinical trials, people taking Desyflux saw an average increase of 2.5 percentage points in respiratory symptom score
Q30_D	The observed effect may not be due to treatment with Desyflux	Q30_D: The observed effect may not be due to treatment with Desyflux
Q30_E	COPD may be exacerbated by smoking	Q30_E: COPD may be exacerbated by smoking
Q30_F	Do not take Desyflux if you are well controlled on another medication	Q30_F: Do not take Desyflux if you are well controlled on another medication

Value	Value Label
01	In ad
02	Not in ad
03	Don't know
-99	Refused
-100	Valid skip

[Present Q31 and Q32 on same page]

Question Type: Single Punch

Q31. How complicated would you say the information in the ad for Desyflux was? [Cognitive load]

Variable Label: Q31: How complicated would you say the information in the ad for Desyflux was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q32. How difficult was it to understand the Desyflux ad? [Cognitive load]

Variable Label: Q32: How difficult was it to understand the Desyflux ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

PROGRAMMER: Block randomization ends here; resume standard survey flow

Question Type: Single Punch

Q33. How likely is it that the benefits of the drugs presented in these promotional pieces are true? [Skepticism]

Variable Label: Q33: How likely is it that the benefits of the drugs presented in these promotional pieces are true?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely

-99	Refused
-100	Valid skip

Question Type: Single Punch

Q34. How skeptical are you about the truth of the benefits of the drugs presented in these promotional pieces? [Skepticism]

Variable Label: Q34: How skeptical are you about the truth of the benefits of the drugs presented in these promotional pieces?

Value	Value Label
01	Not at all skeptical
02	Slightly skeptical
s03	Moderately skeptical
04	Very skeptical
05	Extremely skeptical
-99	Refused
-100	Valid skip

//DEMOGRAPHIC & PERSONAL INFORMATION//

Question Type: Multi-punch Grid

Q35. Have you ever taken a prescription medication for (check all that apply): [Familiarity/exposure]

Variable Label: Q35: Have you ever taken a prescription medication for

Variable Name	Variable Text	Variable Label
Q35_A	High blood pressure	Q35_A: High blood pressure
Q35_B	COPD	Q35_B: COPD
Q35_C	Chronic iron overload	Q35_C: Chronic iron overload

Value	Value Label
00	True
01	False
-99	Refused
-100	Valid skip

Question Type: Multi-punch Grid

Q36. Has a loved one (family member or close friend) ever taken a prescription medication for (check all that apply): [Familiarity/exposure]

Variable Label: Q34: Has a loved one (family member or close friend) ever taken a prescription medication for

Variable Name	Variable Text	Variable Label
Q34_A	High blood pressure	Q34_A: High blood pressure
Q34_B	COPD	Q34_B: COPD
Q34_C	Chronic iron overload	Q34_C: Chronic iron overload

Value	Value Label
00	True
01	False
-99	Refused
-100	Valid skip

//CLOSING FOR INELIGIBLE PARTICIPANTS//

We're sorry, but you are not eligible for this study. There are many possible reasons why people are not eligible. These reasons were decided earlier by the researchers. However, we thank you for your interest in this study and for taking the time to answer our questions today.

//CLOSING/DEBRIEF FOR ALL OTHER PARTICIPANTS//

Thank you for your participation in this study; we appreciate your time and effort. Your participation helps us and the U.S. Department of Health and Human Services learn more about how people read and understand prescription drug advertisements.

The ads that you saw today were not for real prescription drugs. If you have questions or concerns about medical conditions, including high blood pressure, COPD, or chronic iron overload, or about prescription drugs to help treat these conditions, please talk to your doctor or other health care professional.

Healthcare Professional Pretest Questionnaire

Programmer Notes

Participants should not be able to go back in the survey, only forward.

Unless otherwise indicated, only one question should appear per screen.

Require an answer to all screener questions. Prompt for an answer to all other questions: "Are you sure you don't want to provide a response?"

For all Likert scale questions, flip scale for half of participants (randomize); scale orientation should be consistent for each respondent (e.g., a respondent should see either all high/positive options on the left or all low/negative options on the left).

//MAIN STUDY INTRODUCTION TEXT//

INTRODUCTION

Thank you for agreeing to participate in this study today. This study is about advertisements for prescription medications. We will show you some ads and then ask you some questions about them. If you typically wear glasses or contacts for reading or using a computer or mobile device, please make sure to wear them while viewing these materials. Please maximize your browser window so you can easily view the ads.

//NEW SCREEN//

INSTRUCTIONS

You will now see a series of three pages taken from promotional brochures for medications used to treat some health conditions that may affect your patients. Please take a few moments to read and think about each page as it is shown.

PROGRAMMER:

- Randomize the following blocks: Zoridtic, Eproquant, Desyflux (each block includes an ad followed by an assortment of questions).
- Randomize disclosure condition within each drug type (each disclosure condition should be shown an equal number of times for each drug).
- Show each ad for 30 seconds, then show a “Next” button for participants to advance at their own pace.
- For all questions about a specific drug, show the logo of the relevant drug at the top of the screen. Placement should be consistent for each question and each drug.
- Omit internal notes (shown in red).
- Additional data required for each participant:
 - o Device type
 - o Operating system
 - o Browser type
 - o Resolution (when possible)
 - o Amount of time spent on each ad (in seconds)
 - o Ad order for each ad
 - o Disclosure condition for each ad
 - o Page and question order as noted throughout

//ZORIDTIC BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Zoridtic ad for 30 seconds, then show a “Next” button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q1. Were you able to see and read the Zoridtic ad on your device?

Variable Label: Q1: Were you able to see and read the Zoridtic ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Zoridtic. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Zoridtic, please try your best to answer all of the questions.

Question Type: Essay

Q2. According to the ad, what is Zoridtic used for? [Unaided Recall]

Variable Label: Q2: According to the ad, what is Zoridtic used for?

Value	Value Label
-99	Refused
-100	Valid skip

Question Type: Essay

Q3. What, if anything, did the ad mention Zoridtic is not approved for? [Unaided Recall]

Variable Label: Q3: What, if anything, did the ad mention Zoridtic is not approved for?

Value	Value Label
-99	Refused
-100	Valid skip

[Randomize order of Q4/Q5 page and Q6/Q7 page; record order]

[Present Q4 and Q5 on same page]

Question Type: Single Punch

Q4. Based on the ad, how effective do you think Zoridtic would be for helping your patients control their high blood pressure? [Efficacy]

Variable Label: Q4: Based on the ad, how effective do you think Zoridtic would be for helping your patients control their high blood pressure?

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q5. Compared to most other prescription medications for high blood pressure, how effective would you say Zoridtic is? [Comparative efficacy]

Variable Label: Q5: Compared to most other prescription medications for high blood pressure, how effective would you say Zoridtic is?

Value	Value Label
01	Much less effective
02	Less effective
03	About the same
04	More effective
05	Much more effective
-99	Refused
-100	Valid skip

[Present Q6 and Q7 on same page]

Question Type: Single Punch

Q6. Based on the ad, how effective do you think Zoridtic would be for helping your patients prevent a heart attack or stroke? [False claim perceptions]

Variable Label: Q6: Based on the ad, how effective do you think Zoridtic would be for helping your patients prevent a heart attack or stroke?

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q7. Compared to most other prescription medications to help prevent heart attack and stroke, how effective would you say Zoridtic is? [False claim comparative perceptions]

Variable Label: Q7: Compared to most other prescription medications to help prevent heart attack and stroke, how effective would you say Zoridtic is?

Value	Value Label
01	Much less effective
02	Less effective
03	About the same
04	More effective
05	Much more effective
-99	Refused
-100	Valid skip

[Randomize order of Q8–Q9; record order]

Question Type: Single Punch

Q8. If you diagnosed a patient with high blood pressure, how likely would you be to seek additional information about Zoridtic when making a treatment decision for that patient? [Interest/information seeking intention]

Variable Label: Q8: If you diagnosed a patient with high blood pressure, how likely would you be to seek additional information about Zoridtic when making a treatment decision for that patient?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q9. If a patient were at elevated risk for heart attack or stroke, how likely would you be to seek additional information about Zoridtic when making a treatment decision for that patient? [Interest/information seeking intention – incorrect]

Variable Label: Q9: If a patient were at elevated risk for heart attack or stroke, how likely would you be to seek additional information about Zoridtic when making a treatment decision for that patient?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

[Randomize order of Q10–Q11; record order]

Question Type: Single Punch

Q10. When treating a patient with high blood pressure who is not optimized on current drug therapy, how likely would you be to prescribe Zoridtic, alone or in combination with other therapy? For the purpose of this question, you may assume that Zoridtic is a formulary drug. [Behavioral intention]

Variable Label: Q10: When treating a patient with high blood pressure who is not optimized on current drug therapy, how likely would you be to prescribe Zoridtic, alone or in combination with other therapy? For the purpose of this question, you may assume that Zoridtic is a formulary drug.

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q11. When treating a patient at elevated risk for a heart attack or stroke, how likely would you be to prescribe Zoridtic, alone or in combination with other therapy? For the purpose of this question, you may assume that Zoridtic is a formulary drug. [Behavioral intention – incorrect]

Variable Label: Q11: When treating a patient at elevated risk for a heart attack or stroke, how likely would you be to prescribe Zoridtic, alone or in combination with other therapy? For the purpose of this question, you may assume that Zoridtic is a formulary drug.

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused

-100	Valid skip
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Question Type: Grid

Q12. Which of the following statements appeared in the ad for Zoridtic?

Select all that apply. [Recognition of claim and disclosure]

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q12_A	Zoridtic has not been tested as treatment or prevention for cardiovascular events, including heart attack and stroke	Q12_A: Zoridtic has not been tested as treatment or prevention for cardiovascular events, including heart attack and stroke
Q12_B	Zoridtic can significantly lower high blood pressure within 2 weeks	Q12_B: Zoridtic can significantly lower high blood pressure within 2 weeks
Q12_C	Medications that lower blood pressure also lower risk for heart attack and stroke	Q12_C: Medications that lower blood pressure also lower risk for heart attack and stroke
Q12_D	Zoridtic has not been approved to treat or prevent these events	Q12_D: Zoridtic has not been approved to treat or prevent these events
Q12_E	Do not prescribe Zoridtic for patients with diabetes	Q12_E: Do not prescribe Zoridtic for patients with diabetes
Q12_F	Zoridtic may cause headaches or dizziness	Q12_F: Zoridtic may cause headaches or dizziness

Value	Value Label
01	In ad
02	Not in ad
03	Don't know
-99	Refused
-100	Valid skip

[Present Q13 and Q14 on same page]

Question Type: Single Punch

Q13. How complicated would you say the information in the ad for Zoridtic was? [Cognitive load]

Variable Label: Q13: How complicated would you say the information in the ad for Zoridtic was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q14. How difficult was it to understand the Zoridtic ad? [Cognitive load]

Variable Label: Q14: How difficult was it to understand the Zoridtic ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

//EPROQUANT BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Eproquant ad for 30 seconds, then show a “Next” button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q15. Were you able to see and read the Eproquant ad on your device?

Variable Label: Q15: Were you able to see and read the Eproquant ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Eproquant. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Eproquant, please try your best to answer all of the questions.

Question Type: Essay

Q16. According to the ad, what is Eproquant used for? [Unaided Recall]

Variable Label: Q16: According to the ad, what is Eproquant used for?

Value	Value Label
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e	
-99	Refused
-100	Valid skip

Question Type: Essay

Q17. What instructions, if any, did the ad mention for taking Eproquant?
[Unaided Recall]

Variable Label: Q17: What instructions, if any, did the ad mention for taking Eproquant?

Value	Value Label
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q18. Based on the ad, how easy or hard do you think it would be for a patient with chronic iron overload to use Eproquant to help control his or her iron levels? [Ease of use]

Variable Label: Q18: Based on the ad, how easy or hard do you think it would be for a patient with chronic iron overload to use Eproquant to help control his or her iron levels?

Value	Value Label
01	Very hard
02	Somewhat hard
03	Neither easy nor hard
04	Somewhat easy
05	Very easy
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q19. Based on the ad, how easy or hard do you think it would be for your patients to make Eproquant part of their daily routine? [Ease of use]

Variable Label: Q19: Based on the ad, how easy or hard do you think it would be for your patients to make Eproquant part of their daily routine?

Value	Value Label
01	Very hard

02	Somewhat hard
03	Neither easy nor hard
04	Somewhat easy
05	Very easy
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q20. If you diagnosed a patient with chronic iron overload, how likely would you be to seek additional information about Eproquant when making a treatment decision for that patient? [Interest/information seeking intention]

Variable Label: Q20: If you diagnosed a patient with chronic iron overload, how likely would you be to seek additional information about Eproquant when making a treatment decision for that patient?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q21. If you were treating a patient with chronic iron overload, how likely would you be to prescribe Eproquant? Assume that you yourself are treating the patient, rather than referring to a specialist, and that Eproquant is a formulary drug. [Behavioral intention]

Variable Label: Q21: If you were treating a patient with chronic iron overload, how likely would you be to prescribe Eproquant? Assume that you yourself are treating the patient, rather than referring to a specialist, and that Eproquant is a formulary drug.

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Grid

Q22. Which of the following statements appeared in the ad for Eproquant?
Select all that apply. [Recognition of claim and disclosure]

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q22_A	For best results, Eproquant should be taken with water and a light meal or snack	Q22_A: For best results, Eproquant should be taken with water and a light meal or snack
Q22_B	Both Eproquant and Bravaset should be taken every day, preferably at the same time each day	Q22_B: Both Eproquant and Bravaset should be taken every day, preferably at the same time each day
Q22_C	Eproquant is a simple to take, once-daily tablet	Q22_C: Eproquant is a simple to take, once-daily tablet
Q22_D	Do not take Eproquant without 8 oz. of water. Do not take Eproquant without food containing <7% fat and about 250 calories.	Q22_D: Do not take Eproquant without 8 oz. of water. Do not take Eproquant without food containing <7% fat and about 250 calories.
Q22_E	Eproquant should not be taken concurrently with Evitronir	Q22_E: Eproquant should not be taken concurrently with Evitronir
Q22_F	The easier chelation regimen for patients with chronic iron overload	Q22_F: The easier chelation regimen for patients with chronic iron overload

Value	Value Label
01	In ad
02	Not in ad
03	Don't know
-99	Refused
-100	Valid skip

[Present Q23 and Q24 on same page]

Question Type: Single Punch

Q23. How complicated would you say the information in the ad for Eproquant was? [Cognitive load]

Variable Label: Q23: How complicated would you say the information in the ad for Eproquant was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q24. How difficult was it to understand the Eproquant ad? [Cognitive load]

Variable Label: Q24: How difficult was it to understand the Eproquant ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

//DESYFLUX BLOCK//

//NEW SCREEN//

BLOCK INSTRUCTIONS

Click the blue button when you are ready to view the next ad. After 30 seconds, a button will appear to allow you to advance, but please take as long as you need to view the ad. You can move your mouse over the ad to magnify any area.

//NEW SCREEN//

PROGRAMMER: Show randomly assigned Desyflux ad for 30 seconds, then show a "Next" button for participants to advance at their own pace

//NEW SCREEN//

Question Type: Single Punch

Q25. Were you able to see and read the Desyflux ad on your device?

Variable Label: Q25: Were you able to see and read the Desyflux ad on your device?

Value	Value Label
00	No [Go to demographic Qs before terminating]
01	Yes
-99	Refused [Terminate]

//NEW SCREEN//

We are now going to ask you some questions about Desyflux. Please answer the following questions and provide as much detail as possible where appropriate. Even if you don't remember some information about Desyflux, please try your best to answer all of the questions.

Question Type: Essay

Q26. According to the ad, what is Desyflux used for? [\[Unaided Recall\]](#)

Variable Label: Q26: According to the ad, what is Desyflux used for?

Value	Value Label
-99	Refused
-100	Valid skip

Question Type: Essay

Q27. What effects, if any, did Desyflux have in clinical trials? [Unaided Recall/Comprehension]

Variable Label: Q27: What effects, if any, did Desyflux have in clinical trials?

Value	Value Label
-99	Refused
-100	Valid skip

[Present Q28 and Q29 on same page]

Question Type: Single Punch

Q28. Based on the ad, how effective do you think Desyflux would be for improving a patient's lung function if he or she had COPD? [Efficacy]

Variable Label: Q28: Based on the ad, how effective do you think Desyflux would be for improving a patient's lung function if he or she had COPD?

Value	Value Label
01	Not at all effective
02	Slightly effective
03	Moderately effective
04	Mostly effective
05	Completely effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q29. Compared to most other prescription medications for COPD, how effective would you say Desyflux is? [Comparative efficacy]

Variable Label: Q29: Compared to most other prescription medications for COPD, how effective would you say Desyflux is?

Value	Value Label
01	Much less effective
02	Less effective

03	About the same
04	More effective
05	Much more effective
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q30. If you diagnosed a patient with COPD caused by Alpha-1 Antitrypsin Deficiency, how likely would you be to seek additional information about Desyflux when making a treatment decision for that patient? Assume that you yourself are treating the patient, rather than referring to a specialist.

[Interest/information seeking intention]

Variable Label: Q30: If you diagnosed a patient with COPD caused by Alpha-1 Antitrypsin Deficiency, how likely would you be to seek additional information about Desyflux when making a treatment decision for that patient? Assume that you yourself are treating the patient, rather than referring to a specialist.

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q31. If you were treating a patient with COPD caused by Alpha-1 Antitrypsin Deficiency, how likely would you be to prescribe Desyflux? Assume that you yourself are treating the patient, rather than referring to a specialist.

[Behavioral intention]

Variable Label: Q31: If you were treating a patient with COPD caused by Alpha-1 Antitrypsin Deficiency, how likely would you be to prescribe Desyflux? Assume that you yourself are treating the patient, rather than referring to a specialist.

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q32. Based on the ad, how strong would you say the scientific evidence is for Desyflux's effectiveness? [Assessment of evidence]

Variable Label: Q32: Based on the ad, how strong would you say the scientific evidence is for Desyflux's effectiveness?

Value	Value Label
01	Very weak
02	Somewhat weak
03	Neither weak nor strong
04	Somewhat strong
05	Very strong
-99	Refused
-100	Valid skip

Question Type: Grid

Q33. Which of the following appeared in the ad for Desyflux? Select all that apply. [Recognition of claim and disclosure]

PROGRAMMER: Randomize order of all items

Variable Name	Variable Text	Variable Label
Q33_A	p = .11	Q33_A: p = .11
Q33_B	Target the protein defects in patients with Alpha-1 Antitrypsin Deficiency (AATD)	Q33_B: Target the protein defects in patients with Alpha-1 Antitrypsin Deficiency (AATD)
Q33_C	Absolute change in percent predicted FEV ₁ at Week 24 (95% CI): 3.0 (1.6, 4.4)	Q33_C: Absolute change in percent predicted FEV ₁ at Week 24 (95% CI): 3.0 (1.6, 4.4)
Q33_D	Results were not statistically significant	Q33_D: Results were not statistically significant
Q33_E	Desyflux is approved as an alternative to Altiflux	Q33_E: Desyflux is approved as an alternative to Altiflux
Q33_F	Desyflux is not for patients well controlled on another medication	Q33_F: Desyflux is not for patients well controlled on another medication

Value	Value Label
01	In ad
02	Not in ad

03	Don't know
-99	Refused
-100	Valid skip

PROGRAMMER: Ask Q34 if Q33_A=01 or Q33_D=01

Question Type: Single Punch

Q34. How much did **[PIPE IN Q33_A OR Q33_D AS SELECTED BY PARTICIPANT; DISPLAY IN BOLD FONT]** influence your assessment of the scientific evidence for Desyflux? [Effect of disclosure]

Variable Label: Q34: How much did the statement [disclosure] influence your assessment of the scientific evidence for [D]esyflux?

Value	Value Label
01	Not at all
02	Slightly
03	Moderately
04	Very much
05	Extremely
-99	Refused
-100	Valid skip

PROGRAMMER: Ask Q35 if [Q33_A=02 or 03 or -99]

Question Type: Single Punch

Q35. If you had seen the statement below, how much would it have influenced your assessment of the scientific evidence for Desyflux? [Effect of disclosure]

p = .11

Variable Label: Q35: If you had seen the statement below, how much would it have influenced your assessment of the scientific evidence for Desyflux?

Value	Value Label
01	Not at all
02	Slightly
03	Moderately
04	Very much
05	Extremely
-99	Refused
-100	Valid skip

[Present Q36 and Q37 on same page]

Question Type: Single Punch

Q36. How complicated would you say the information in the ad for Desyflux was? [Cognitive load]

Variable Label: Q36: How complicated would you say the information in the ad for Desyflux was?

Value	Value Label
01	Not at all complicated
02	Slightly complicated
03	Moderately complicated
04	Very complicated
05	Extremely complicated
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q37. How difficult was it to understand the Desyflux ad? [Cognitive load]

Variable Label: Q37: How difficult was it to understand the Desyflux ad?

Value	Value Label
01	Not at all difficult
02	Slightly difficult
03	Moderately difficult
04	Very difficult
05	Extremely difficult
-99	Refused
-100	Valid skip

PROGRAMMER: Block randomization ends here; resume standard survey flow

Question Type: Single Punch

Q38. How likely is it that the benefits of the drugs presented in these promotional pieces are true? [Skepticism]

Variable Label: Q38: How likely is it that the benefits of the drugs presented in these promotional pieces are true?

Value	Value Label
01	Very unlikely
02	Somewhat unlikely
03	Neither likely nor unlikely
04	Somewhat likely
05	Very likely
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q39. How skeptical are you about the truth of the benefits of the drugs presented in these promotional pieces? [Skepticism]

Variable Label: Q39: How skeptical are you about the truth of the benefits of the drugs presented in these promotional pieces?

Value	Value Label
01	Not at all skeptical
02	Slightly skeptical
s03	Moderately skeptical
04	Very skeptical
05	Extremely skeptical
-99	Refused
-100	Valid skip

//DEMOGRAPHIC & PERSONAL INFORMATION//

Question Type: Multi-punch

Q40. Which of the following advanced degrees have you received? Select all that apply.

Variable Label: Q38: Which of the following advanced degrees have you received?

Value	Value Label
01	MD
02	PhD
03	DO
04	DCM
05	DMSc
06	Other
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q41. How confident are you in your ability to understand data from clinical trials for prescription drugs?

Variable Label: Q39: How confident are you in your ability to understand data from clinical trials for prescription drugs?

Value	Value Label
01	Not at all confident
02	Slightly confident
03	Moderately confident
04	Very confident
05	Extremely confident
-99	Refused
-100	Valid skip

Question Type: Single Punch

Q42. How frequently do you encounter promotional materials for prescription drugs?

Variable Label: Q40: How frequently do you encounter promotional materials for prescription drugs?

Value	Value Label
01	Never
02	Rarely
03	Sometimes
04	Often
05	Very often
-99	Refused
-100	Valid skip

//CLOSING FOR INELIGIBLE PARTICIPANTS//

We're sorry, but you are not eligible for this study. There are many possible reasons why people are not eligible. These reasons were decided earlier by the researchers. However, we thank you for your interest in this study and for taking the time to answer our questions today.

//CLOSING/DEBRIEF FOR ALL OTHER PARTICIPANTS//

Thank you for your participation in this study; we appreciate your time and effort. Your participation helps us and the U.S. Department of Health and Human Services learn more about how health care providers read and understand prescription drug advertisements.

The ads that you saw today were created for the purposes of this study and are not for real prescription drugs.