

Assessing the Fit and Comfort of Motorcycle Safety Gear
NHTSA Form No. 2004

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Data Collection Forms – Jackets

*Note: These surveys involve skip logic. Skip logic points and survey logistics are highlighted in **Boldface Red Text**.*

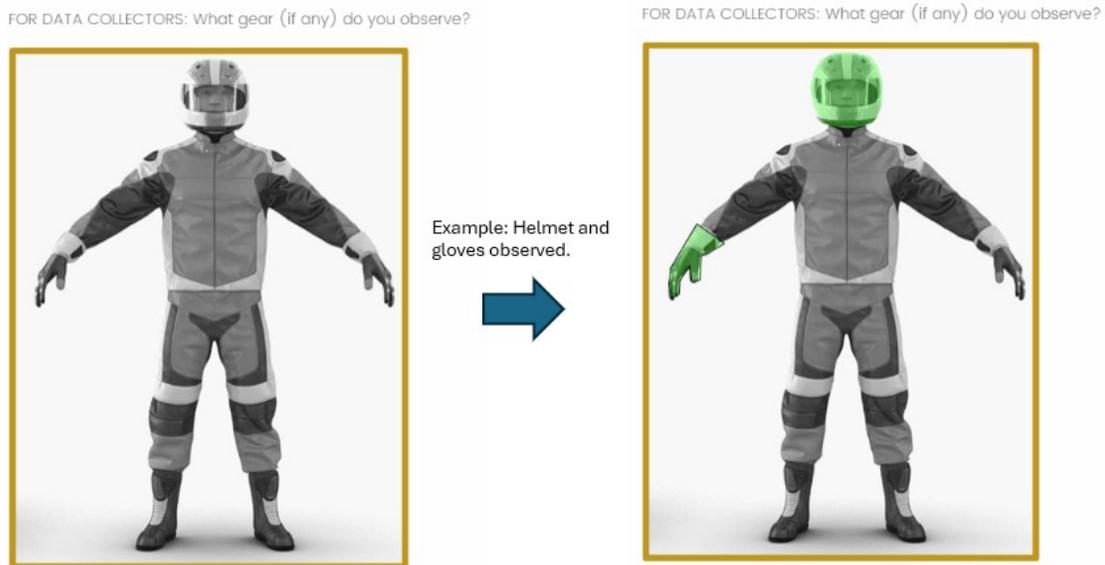
Data Collector Initial Observations

(The Data Collector will complete the following section)

Data Collector ID: _____ (Auto fill)

1. Potential participant gear worn (Heat Spot selection on electronic tablet form. Researcher selects observed gear by tapping on the corresponding image. Each selected gear type, indicated by a green highlighted box, will open an image library of that gear's subtypes. Non-selected gear will be skipped.)

(Note: Green example highlighting on right is for clarification purposes only. Example highlighting shown on rightmost image will not appear in data form until after the researcher selects it.)



1a. **(Complete if “Helmet” was selected as observed, otherwise skip)**

The helmet is:

- A protective **motorcycle helmet (DOT label observed)**
- A protective **motorcycle helmet (DOT label not visible)**
- A protective non-motorcycle helmet
- Not protective

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Could not determine

1b. **(Complete if "Jacket" was selected as observed, otherwise skip)**

The jacket is:

- A protective **motorcycle jacket**
- A protective non-motorcycle jacket
- Not protective
- Could not determine

1c. **(Complete if "Pants" was selected as observed, otherwise skip)**

The pants are:

- Protective **motorcycle pants**
- Protective non-motorcycle pants
- Not protective
- Could not determine

1d. **(Complete if "Gloves" was selected as observed, otherwise skip)**

The gloves are:

- Protective **motorcycle gloves**
- Protective non-motorcycle gloves
- Not protective
- Could not determine

1e. **(Complete if "Footwear" was selected as observed, otherwise skip)**

The footwear is:

- Protective **motorcycle footwear**
- Protective non-motorcycle footwear
- Not protective
- Could not determine

2. Weather conditions (check all that apply)

- Sunny / Clear
- Cloudy
- Foggy
- Windy
- Rainy

2a. Approximate temperature: _____ °F

3.

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3. Age

- Under 18
- 18-35
- 36-55
- 56-64
- 65+
- Could not determine

4. Sex

- Female
- Male
- Could not determine

5. Race and/or ethnicity (select all that apply)

- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic or Latino
- Middle Eastern or North African
- Native Hawaiian or Pacific Islander
- White
- Could not determine

6. The observed rider:

- Was not contacted
- Learned about the study and was not interested in participating
- Learned about the study and began consent process

Consent Process

See other forms for eligibility and consent forms

Bike Type & Riding Information

(The participant will self-report the following information)

The following questions ask about your bike and riding habits.

7. What type of bike are you riding today?

- Standard
- Touring
- Cruiser
- Sport
- Scooter
- Other (please specify): _____

8. Make / Model: _____

9. Model year: _____

10. How long have you been riding?

- Less than 1 year
- 1 – 5 years
- 6 – 10 years
- 11 – 25 years
- 26 – 40 years
- More than 40 years

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11. Check the appropriate box below to indicate how often you ride for each of the following reasons:

	Never	A few times per season	A few times per month	A few times per week	Daily
Commuting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leisure / Short Recreational Trips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Traveling / Long Distance Trips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please describe): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Check the appropriate box below to indicate how often you ride in each of the following scenarios:

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
Solo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With a passenger on your bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With one other bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In a group with two to five bikes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In a group with five or more bikes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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13. Are you or have you been a member of any motorcycle organization(s)?

Yes

List up to five of the most recent organization(s) you have been a member of, if you feel comfortable doing so.

1. _____

2. _____

3. _____

4. _____

5. _____

No **(Skip to question 15)**

14. **(This question will appear up to five times with the embedded text from Question 13)**

How does being a member of **[embedded text from previous answer]** influence your decision to wear protective gear?

Much less likely to wear protective gear	Somewhat less likely to wear protective gear	No influence on my decision to wear protective gear	Somewhat more likely to wear protective gear	Much more likely to wear protective gear
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. How did you learn to ride? (Check all that apply)

Completed a basic motorcycle training course

Completed an advanced motorcycle training course

Completed a free online motorcycle training course

Completed a paid online motorcycle training course

Watched free motorcycle training videos online (e.g., YouTube)

From a friend or relative

From someone in my riding group, club, or association

Other (please specify): _____

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Protective Gear

The following questions ask about any protective motorcycle gear you wear.

For the next few questions, **motorcycle gear** refers to specialized clothing designed for crash injury protection, weather protection, or temperature regulation while riding.

16. Do you own/possess a motorcycle helmet?

- Yes
- No

16a.

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
How often do you wear a motorcycle helmet?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. Do you own/possess a motorcycle jacket?

- Yes
- No

17a.

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
How often do you wear a motorcycle jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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18. Do you own/possess motorcycle pants?

- Yes
 No

18a.

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
How often do you wear motorcycle pants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. Do you own/possess motorcycle footwear?

- Yes
 No

19a.

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
How often do you wear motorcycle footwear?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

20. Do you own/possess motorcycle gloves?

- Yes
 No

20a.

	None of my rides	Some of my rides	About half of my rides	Most of my rides	All of my rides
How often do you wear motorcycle gloves?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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21. How does wearing a motorcycle jacket affect each of the following for you? **(Items will be randomized)**

	Significantly decreases	Somewhat decreases	No change	Somewhat increases	Significantly increases
Riding comfort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arm movement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ability to mount & dismount bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ability to operate the bike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(Question will be displayed to the participant if they answered “Yes” to Question 17)

22. Indicate how much you agree/disagree with the following statements regarding your motorcycle jacket. **(Items will be randomized)**

My jacket (is):

	Strongly disagree	Somewhat disagree	Neutral	Somewhat agree	Strongly agree
Comfortable	<input type="checkbox"/>				
Allows for breathability / air flow	<input type="checkbox"/>				
Stays in position while riding	<input type="checkbox"/>				

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Protective	<input type="checkbox"/>				
Well designed for my body	<input type="checkbox"/>				
Easy to put on	<input type="checkbox"/>				
Easy to take off	<input type="checkbox"/>				
Provides adequate range of motion	<input type="checkbox"/>				
Fits snug around torso	<input type="checkbox"/>				

23. Indicate how the following factors influence your motorcycle jacket usage. **(Items will be randomized)**

	Influences to wear LESS	No influence	Influences to Wear MORE
Increased risk of injury and fatality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Friends who I ride with	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My riding community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
News coverage about motorcycle safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Family/loved one's concerns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High cost of motorcycle jackets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal near miss/close call	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Witnessing a crash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Learning about injuries among riders not wearing a motorcycle jacket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advice from a motorcycle professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advice from a medical professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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24. How important is the **fit** of a motorcycle jacket to you?

Extremely unimportant	Somewhat unimportant	Neutral	Somewhat important	Extremely important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

25. How important is the **comfort** of a motorcycle jacket to you?

Extremely unimportant	Somewhat unimportant	Neutral	Somewhat important	Extremely important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

26. How important is having a **highly protective** motorcycle jacket to you?

Extremely unimportant	Somewhat unimportant	Neutral	Somewhat important	Extremely important
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

27. What are the top three things you consider when purchasing a motorcycle jacket?

- 1. _____
- 2. _____
- 3. _____

Anthropometric Measurements for Motorcycle Jacket

(Data Collector will ask participant the following questions and record the answers)

28. **(Data collector asks)** Height: _____ feet and inches (self-reported)
29. **(Data collector measures)** Sleeve length: _____ centimeters
30. **(Data collector measures)** Chest/bust circumference: _____ centimeters
31. **(Data collector measures)** Waist: _____ centimeters
32. **(Data collector measures)** Hips: _____ centimeters
33. **(Data collector observes)** Did the participant wear a motorcycle jacket to the event?
- Yes **(Continue to Question 34)**
 - No **(Skip to Question 51)**

Jacketed Rider Questions

34. **(Data collector asks)** Is this your usual motorcycle jacket?

- Yes
- No

35. **(Data collector asks)** How did you obtain this jacket?

- Bought new in-store, tried on
- Bought new in-store, did not try on
- Bought new online
- Bought used online
- Bought new from a friend
- Bought used from a friend
- Bought used in-store, tried on
- Bought used in-store, did not try on
- Borrowed from a friend
- Received as a gift
- Other (please specify): _____

36. **(Data collector asks)** Did someone help fit you for this jacket?

- Yes (please specify): _____
- No

37. **(Data collector observes)** Jacket type:

- Mesh
- Textile
- Leather
- Armored
- Combination
- Part of one-piece riding suit
- Other (please specify): _____
- Unknown

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38. **(Data collector observes)** Primary / Most prominent color(s) (check all that apply):

- Black
- White
- Brown
- Red
- Orange
- Yellow / Neon
- Green
- Blue
- Purple
- Pink
- Tan
- Silver / Grey
- Mixed / Graphic
- Other (please specify): _____

39. **(Data collector observes)** Jacket manufacturer:

- Alpinestars
- BILT
- Dainese
- Fly Racing
- Icon Contra
- Klim
- Merlin Axe
- REV'IT
- Scorpion
- Sedici
- Street & Steel
- Other (please specify) : _____
- Unknown

40. **(Data collector observes)** Size: _____

- Could not determine

41. **(Data collector observes)** Safety labels (check all that apply):

- DOT (meets or exceeds DOT FMVSS 218)
- ECE
- CE
- AAA
- Other (please specify): _____
- None present

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42. **(Data collector asks)** Have you made any modifications to this jacket? (Check all that apply)

- Airbag vest:
 - Makes less protective
 - No change in protection
 - Makes more protective
 - Could not determine
- Armor modified:
 - Makes less protective
 - No change in protection
 - Makes more protective
 - Could not determine
- Added cosmetic accessories (list all): _____
 - Makes less protective
 - No change in protection
 - Makes more protective
 - Could not determine
- Added "safety" accessories (list all): _____
 - Makes less protective
 - No change in protection
 - Makes more protective
 - Could not determine
- None present

43. **(Data collector asks)** Have you added any retroreflective features to this jacket?

- Yes, after-market / accessory added after purchase
- No, accessory OEM / factory installed
- No, none present

Motorcycle Jacket Fit Assessment

(Data collector reads the following to the participant) “I’m going make some observations to see how well your motorcycle jacket fits. (If not already wearing their jacket) Please put your motorcycle jacket on as you normally would when riding. (If applicable) Please also put on your motorcycle gloves as you normally would. As best you can, please simulate the riding position you would normally take while riding your own bike.”

44. **(Data collector observes)** Are there fasteners, buckles, Velcro, or straps to adjust fit present on this jacket?

- Yes
- No

45. **(Data collector observes)** Do the jacket sleeves fully cover the wrist to the motorcycle gloves (if gloves present), or do the jacket sleeves fully cover the wrist (if no gloves present) when the participant is seated in the simulated riding position?

- Yes
- No

46. **(Data collector observes)** Does this jacket cover the belt line?

- Yes
- No

47. **(Data collector asks)** Does this jacket have armor? If so, what types of armor?

- Chest
- Elbow
- Forearm
- Shoulder
- Spine
- Other (please specify): _____
- No armor **(Skip to Question 49)**

48a. **(Complete if “Chest” was selected in Question 47, otherwise skip)**

(Data collector reads the following to the participant) “While maintaining one arm in the proper riding position, please point to the location of your chest armor.” **(Data collector observes)** Is the participant’s chest armor correctly positioned when the participant is in the simulated riding position?

- Yes
- No

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48b. **(Complete if “Elbow” was selected in Question 47, otherwise skip)**

(Data collector reads the following to the participant) “While maintaining one arm in the proper riding position, please point to the location of your elbow armor.” **(Data collector observes)** Is the participant’s elbow armor correctly positioned when the participant is in the simulated riding position?

- Yes
- No

48c. **(Complete if “Forearm” was selected in Question 47, otherwise skip)**

(Data collector reads the following to the participant) “While maintaining one arm in the proper riding position, please point to the location of your forearm armor.” **(Data collector observes)** Is the participant’s forearm armor correctly positioned when the participant is in the simulated riding position?

- Yes
- No

48d. **(Complete if “Shoulder” was selected in Question 47, otherwise skip)**

(Data collector reads the following to the participant) “While maintaining one arm in the proper riding position, please point to the location of your shoulder armor.” **(Data collector observes)** Is the participant’s shoulder armor correctly positioned when the participant is in the simulated riding position?

- Yes
- No

48e. **(Complete if “Spine” was selected in Question 47, otherwise skip)**

(Data collector reads the following to the participant) “While maintaining one arm in the proper riding position, please point to the location of your spine armor.” **(Data collector observes)** Is the participant’s spine armor correctly positioned when the participant is in the simulated riding position?

- Yes
- No

49. **(Data collector observes)** Does this jacket have a snug fit in the torso and arms?

- Yes
- No

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50. **(Data collector asks)** When wearing this jacket for 30 minutes or longer, do you begin to experience pain or discomfort in any of the following areas? If so, please point to those areas now. **(Data collector observes areas the participant points to and selects corresponding area on the image below, and checks all that apply)**

- Bicep(s)
- Chest
- Elbow(s)
- Forearm(s)
- Lower back
- Mid back
- Neck
- Shoulder(s)
- Stomach
- Tricep(s)
- Upper back
- Wrist(s)
- Other (please specify): _____
- None

New Gear Assessment

(The participant will complete the following section)

In this section, you will be asked for your opinions about different types of jackets. There is a picture and description of each item to help you evaluate it. For each item, assume the jacket fits, it would come in the color you want and at an affordable cost.

(Note: Order of jackets will be randomized for each participant. The questions below will be shown with each gear choice.)

51. Please select the type of gear you typically wear. If unsure, please select the type of gear you are currently wearing.

- Women's **(Go to Question 52)**
- Men's **(Go to Question 58)**
- Unisex **(Go to Question 58)**

If “Women’s” was selected for Question 51

52.



- Athletic Zip-up hoody
- Poly cotton composition
- Mesh-lined for comfort
- Thumb loop on end of arm cuff
- Hand pockets
- Zipper closure

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

53.



- Riding shirt
- Cotton composition
- Mesh ventilation liner
- Kevlar anti-abrasion liner
- Removable protection
- Chest pockets
- Snap closure at cuffs
- Snap and zipper closure
- Level 1 CE certification shoulder, elbow, and back protection

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

54.



- Leather jacket
- Sheepskin leather composition
- Wind insulation
- Hand pockets
- Zipper closure at cuffs
- Zipper closure

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

55.



- Riding jacket
- Gore-Tex composition
- Waterproof materials
- Abrasion resistant materials
- Ventilation zippers at center front, back, and upper arms
- Adjustable at elbow, collar, hem, lower arm, waist, and cuffs
- Long and short connection zippers
- MaterSeal zipper
- Retroreflective features
- Chest, sleeve, and hand pockets
- Velcro closure at cuffs
- Zipper closure
- Level 2 CE certified elbow and shoulder armor

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

56.



- Racing jacket
- Polyester composition
- Waterproof materials
- Ventilation panels
- Adjustable at upper arm, waist, and cuffs
- Jeans loop and short connection zipper
- Hand and internal pockets
- Velcro closure at cuffs
- Snap and zipper closure
- Level 1 CE certification shoulder and elbow protection
- Level 2 CE certification back protection

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

57.



- Riding jacket
- Polyester composition
- Waterproof materials
- Mesh ventilation liner
- Adjustable at collar, cuffs, sleeve, and side panels
- Hand and sleeve pockets
- Short connection zipper
- Velcro closure at cuffs
- Velcro and zipper closure
- CE certification shoulder and elbow armor

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If “Men’s” was selected for Question 51

58.



- Athletic Zip-up hoody
- Poly cotton composition
- Mesh-lined for comfort
- Thumb loop on end of arm cuff
- Hand pockets
- Zipper closure

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

59.



- Riding shirt
- Canvas composition
- Action back
- Snap closure at cuffs
- Chest and hand pockets
- Snap and zipper closure

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

60.



- Leather jacket
- Sheepskin leather composition
- Wind insulation
- Hand pockets
- Zipper closure at cuffs
- Zipper closure

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

61.



- Riding jacket
- Leather composition
- Abrasion-resistant stitching
- Waterproof materials
- Detachable thermal liner
- Ventilation at shoulders, upper back, sleeves, lower back, lower front, sides, and upper front
- Adjustable at waist
- Hand and internal pockets
- Zipper closure at cuffs
- Snap and zipper closure
- Long connection zipper
- Retroreflective features
- Level 2 CE certification elbow and shoulder armor
- Allows for addition of Level 2 CE certification back armor
- Allows for addition of Level 1 CE certification chest armor

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

62.



- Racing jacket
- Mesh composition
- Ventilated materials
- Adjustable at waist, cuffs, and upper arm
- Hand and internal pockets
- Snap closure at cuffs
- Zipper closure
- Jeans loop, long and short connection zipper
- Retroreflective features
- Level 1 CE certification elbow and shoulder armor
- Allows for addition of Level 2 CE certification back armor

Assessing Comfort and Fit of Motorcycle Safety Gear
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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

63.



- Riding jacket
- Polyester composition
- Abrasion-resistant materials
- Waterproof and ventilated liner
- Ventilation zippers on chest and cuffs
- Chest, hand and internal pockets
- Back protection
- Zipper closure at cuffs
- Velcro and zipper closure
- Level 1 CE certification shoulder and elbow armor

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	Extremely unprotective	Somewhat unprotective	Neutral	Somewhat protective	Extremely protective
How protective do you think this jacket is?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to wear this jacket while riding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely unlikely	Somewhat unlikely	Neutral	Somewhat likely	Extremely likely
How likely would you be to purchase this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Extremely poorly	Somewhat poorly	Neutral	Somewhat well	Extremely well
How well do you think you would be able to maintain your range of motion for riding with this jacket?	<input type="checkbox"/>				

	Extremely low quality	Low quality	Neutral	High quality	Extremely high quality
What is the overall quality of this jacket?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Demographics

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(The participant will self-report the following information)

64. In what State do you currently live? _____

65. Which license type(s) do you currently have? (Check all that apply)

- Motorcycle endorsement
- Motorcycle-only license
- Motorcycle learner's permit
- Driver's license
- Commercial license
- None of the above

66. What is your age? _____ years

67. What is your sex?

- Female
- Male

68. What is your race and/or ethnicity? (Select all that apply and enter additional details in the spaces below)

- American Indian or Alaska Native
(If selected) Provide details below:

Enter, for example, Navajo Nation, Blackfeet Tribe of the Blackfeet Indian Reservation of Montana, Native Village of Inupiat Traditional Government, Nome Eskimo Community, Aztec, Maya, etc.:

- Asian
(If selected) Provide details below:

- Chinese
- Asian Indian
- Filipino
- Vietnamese
- Korean
- Japanese
- Another group (For example, Pakistani, Hmong, Afghan, etc.):

- Black or African American

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(If selected) Provide details below:

- African American
 - Jamaican
 - Haitian
 - Nigerian
 - Ethiopian
 - Somali
 - Another group (For example, Trinidadian and Tobagonian, Ghanaian, Congolese, etc.):
-

- Hispanic or Latino

(If selected) Provide details below:

- Mexican
 - Puerto Rican
 - Salvadoran
 - Cuban
 - Dominican
 - Guatemalan
 - Another group (For example, Colombian, Honduran, Spaniard, etc.):
-

- Middle Eastern or North African

(If selected) Provide details below:

- Lebanese
 - Iranian
 - Egyptian
 - Syrian
 - Iraqi
 - Israeli
 - Another group (For example, Moroccan, Yemeni, Kurdish, etc.):
-

- Native Hawaiian or Pacific Islander

(If selected) Provide details below:

- Native Hawaiian
 - Samoan
 - Chamorro
 - Tongan
 - Fijian
 - Marshallese
 - Another group (For example, Chuukese, Palauan, Tahitian, etc.):
-

- White

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(If selected) Provide details below:

- English
 - German
 - Irish
 - Italian
 - Polish
 - Scottish
 - Another group (For example, French, Swedish, Norwegian, etc.):
-