

**CRASH  
Motorcycle Passenger Questionnaire**

**1. Case Number** \_\_\_\_\_

**2. MC Passenger Number** \_\_\_\_\_ **A.5.1.2.1**

**BACKGROUND INFORMATION**

**3. How old are you?** \_\_\_\_\_ **A.5.1.2.3**

Code actual age in years

(99) unknown

**4. Where did you get your current driver's license?** \_\_\_\_\_ **A.5.1.2.4**

(1) no license

(2) California

(3) other State (list) \_\_\_\_\_

(4) Canada

(5) Mexico

(6) military

(8) other (describe) \_\_\_\_\_

(9) unknown

**5. What kind of operator's license is it?** \_\_\_\_\_ **A.5.1.2.5.1**

(Code up to 4; input "97" in remaining responses) \_\_\_\_\_ **A.5.1.2.5.2**

(01) no license held \_\_\_\_\_ **A.5.1.2.5.3**

(02) learner's permit, only \_\_\_\_\_ **A.5.1.2.5.4**

(03) motorcycle license

(04) automobile license

(05) commercial license

(06) motorcycle driver and competition license

(07) license to transport people

(08) heavy truck license

(97) not applicable

(98) other (describe) \_\_\_\_\_

(99) unknown

**6. What year was/were the license(s) issued?** \_\_\_\_\_ **A.5.1.2.6.1**

(Listed in same order as licenses above) \_\_\_\_\_ **A.5.1.2.6.2**

(9997) - not applicable, no license \_\_\_\_\_ **A.5.1.2.6.3**

(9999) - unknown \_\_\_\_\_ **A.5.1.2.6.4**

**7. Are you of Hispanic or Latino origin?** \_\_\_\_\_

(0) refused to answer

(1) no

(2) yes

(8) other (describe) \_\_\_\_\_

(9) unknown

**8. What is your race?** \_\_\_\_\_

Please select one or more, code "7" in others \_\_\_\_\_

(0) refused to answer \_\_\_\_\_

(1) white \_\_\_\_\_

MC Passenger

- (2) black or African American
- (3) Asian
- (4) Native Hawaiian or other Pacific Islander
- (5) American Indian or Alaska native
- (7) Not applicable
- (8) other \_\_\_\_\_
- (9) unknown

**9. What is your height?**                      \_\_\_ ft. \_\_\_ in.                      A.5.1.1.9  
 (9/99) unknown

**10. What is your weight?**                      \_\_\_ lbs.                      A.5.1.1.10  
 (999) unknown

**11. Gender**                      \_\_\_                      A.5.1.1.11  
 (1) male  
 (2) female  
 (9) unknown

**12. How much formal education have you had?**                      \_\_\_                      A.5.1.2.12  
 (1) no formal schooling  
 (2) less than high school diploma  
 (3) high school diploma or GED  
 (4) partial college/university  
 (5) college/university graduate  
 (6) graduate school, advanced degree, professional degree  
 (7) specialty/technical school  
 (8) other (specify) \_\_\_\_\_  
 (9) unknown

**13. What is your current occupation?**                      \_\_\_                      A.5.1.2.13  
 (11) management occupations  
 (13) business and financial  
 (15) computer and mathematical  
 (17) architecture and engineering  
 (19) life, physical, and social science  
 (21) community and social services  
 (23) legal  
 (25) education, training or library  
 (27) arts, design, entertainment, sports or media  
 (29) healthcare practitioners and technical jobs  
 (31) healthcare support  
 (33) protective services  
 (35) food preparation and serving related  
 (37) building and grounds maintenance  
 (39) personal care and services  
 (41) sales and related occupations  
 (43) office and administrative support  
 (45) farming, fishing or forestry  
 (47) construction or extraction  
 (49) installation, maintenance or repair  
 (53) transportation and material moving

- (55) military
- (60) full time student
- (97) not applicable, not in workforce at present
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**14. Are you married?**                    \_\_\_ \_\_\_                    D.5.2.1.2.4

- (01) not married
- (02) single
- (03) married
- (04) separated
- (05) divorced
- (06) widowed
- (07) cohabitating
- (98) other (specify)
- (99) unknown

**15. How many children do you have?**                    \_\_\_                    D.5.2.1.2.5

- (0) none
- (1) one
- (2) two
- (3) three
- (4) four
- (5) five
- (6) six
- (7) more than six
- (9) unknown

**RIDING/DRIVING EXPERIENCE**

**16. How many YEARS have you been driving any kind of motor vehicle?**                    \_\_\_ \_\_\_                    A.5.1.2.15

- (00) less than two weeks
- (01) one year or less
- (02-96) actual number of years
- (97) not applicable/no previous experience/first time
- (99) unknown

*If no driving experience of any kind, skip to Question 27.*

**17. How many MONTHS have you operated a street motorcycle**                    \_\_\_ \_\_\_ \_\_\_                    A.5.1.2.16

- (001) less than or equal to one month
- (002-095) actual number of months
- (096) 96 months or more
- (997) not applicable, never operated motorcycle
- (998) other (specify) \_\_\_\_\_
- (999) unknown

**18. What is the average number of days per year you operate motorcycles?**                    \_\_\_ \_\_\_ \_\_\_                    A.5.1.2.18

- (001-365) Code actual number of days per year
- (997) not applicable, never operate motorcycle
- (999) unknown

**19. About how many miles per year do you operate \_\_\_\_\_ A.5.1.2.19  
motorcycles?**

- (00000) none
- (00001-99995) actual miles
- (99996) 99996 or greater miles
- (99998) other (specify) \_\_\_\_\_
- (99999) unknown

**20. How many miles per year do you drive a car or truck? \_\_\_\_\_**

- (00000) None, do not drive car or truck
- (00001-99995) actual miles
- (99996) 99996 or greater miles
- (99998) other (specify) \_\_\_\_\_
- (99999) unknown

**21. What kind of motorcycle training have you had? \_\_\_\_\_ A.5.1.2.20**

- (00) none
- (01) self taught
- (02) taught by family or friends
- (03) special voluntary motorcycle training for road riding
- (04) special compulsory motorcycle training for road riding
- (05) professional training for competition license
- (06) advanced training
- (07) compulsory motorcycle training ordered by judge/police/etc.
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**22. Have you had any car or truck driver training? \_\_\_\_\_**

- (01) no training
- (02) self taught
- (03) taught by friends or family
- (03) official driver training class
- (04) voluntary drivers education
- (05) compulsory drivers education
- (06) professional training for commercial license
- (07) compulsory motor vehicle training ordered by judge/police/etc.
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**23. How old were you when you first began to ride a motorcycle? \_\_\_\_\_**

- Code actual age
- (00) never rode before, or rarely ever rides
  - (98) other (specify) \_\_\_\_\_
  - (99) unknown

**24. Were there years in which you did not ride a motorcycle? \_\_\_\_\_**

- (1) no
- (2) yes
- (7) not applicable, never before rode
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**25. How many years before you started riding again?** \_\_\_\_\_

- (00) never stopped riding
- (01-96) actual number of years
- (97) not applicable, never before rode
- (98) other \_\_\_\_\_
- (99) unknown

**26. When you ride a motorcycle, what is the percentage of time you use it for each of these categories?**

(indicate % of total riding/driving time for each of the three categories)

Recreation	_____ %	A.5.1.2.21.1
Basic transportation	_____ %	A.5.1.2.21.2
	100%	

- (000) first time use
- (997) not applicable
- (999) unknown

**27. How much experience do you have riding as a passenger on motorcycles?** \_\_\_\_\_

A.5.1.2.22

- (0) never rode as a passenger before
- (1) very little experience
- (2) moderate experience
- (3) extensive experience
- (8) other \_\_\_\_\_
- (9) unknown

## SITUATION

**28. Where were you seated prior to the crash?** \_\_\_\_\_ A.5.1.2.42

- (1) immediately behind the motorcycle rider
- (2) immediately in front of the motorcycle rider
- (3) behind passenger in location 1
- (4) behind passenger in location 2
- (5) behind passenger in location 3
- (6) dismounting, jumping to side
- (7) not applicable, unseated prior to the crash
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**29. Where were you seated at the time of collision?** \_\_\_\_\_ A.5.1.2.43.1

- (01) normal, straddle seated behind rider
- (02) riding with both legs on left side of motorcycle
- (03) riding with both legs on right side of motorcycle
- (04) straddle seated on pillion behind rider
- (05) straddle seated on tank ahead of rider
- (06) in sidecar
- (07) straddle seated, behind rider, facing rear
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**30. Did any of your actions contribute to the crash?** \_\_\_\_\_ A.6.3.2.1

- (01) yes, passenger weight contributed to loss of control during evasive action
- (02) yes, passenger lost hold or fell and contributed to rider loss of control
- (03) yes, passenger interfered with motorcycle balance, caused rider loss of control
- (04) yes, passenger interfered with motorcycle controls and contributed to crash
- (05) yes, passenger's lower extremities entrapped in rear suspension or wheel and contributed to crash
- (06) yes, passenger action distracted motorcycle rider and contributed to crash,  
specify: \_\_\_\_\_
- (97) not applicable, no action by passenger contributed to crash.
- (98) other passenger action that contributed to crash, specify: \_\_\_\_\_
- (99) unknown

**PROTECTIVE CLOTHING/GEAR AT TIME OF CRASH**

**31. What kind of clothing was on your upper body?** \_\_\_\_\_ A.5.3.2.1

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**32. Was this upper body clothing motorcycle-oriented?** \_\_\_\_\_ A.5.3.2.2

- (1) no
- (2) yes
- (7) not applicable/no clothing
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**33. What kind of clothing was on your lower body?** \_\_\_\_\_ A.5.3.2.3

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**34. Was this lower body clothing motorcycle-oriented?** \_\_\_\_\_ A.5.3.2.4

- (1) no
- (2) yes
- (7) not applicable/no clothing
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**35. Were you wearing an inflatable safety vest?** \_\_\_\_\_

- (1) no
- (2) yes
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**36. What kind of shoes or boots were you wearing?** \_\_\_\_\_ A.5.3.2.5

- (1) no shoes or boots, barefoot
- (2) light sandal
- (3) medium street shoe, loafer
- (4) athletic, training shoe
- (5) heavy shoe or boot
- (6) reinforced work boot or motorcycle boot
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**37. Did this footwear go up over your ankle?**

- (1) no
- (2) yes
- (7) not applicable, no footwear worn
- (8) other, specify \_\_\_\_\_
- (9) unknown

**38. Was the footwear motorcycle-oriented?** \_\_\_\_\_ A.5.3.2.6

- (1) no
- (2) yes
- (7) not applicable, no footwear worn
- (9) unknown

**39. What kind of gloves were you wearing?** \_\_\_\_\_ A.5.3.2.7

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**40. Are the gloves motorcycle-oriented?** \_\_\_\_\_ A.5.3.2.8

- (1) no
- (2) yes, full fingered
- (3) yes, shorties
- (7) not applicable, no gloves worn
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**41. Is any of this clothing retroreflective?** \_\_\_\_\_

- Code up to 3 responses \_\_\_\_\_
- (1) no retroreflective clothing or gloves \_\_\_\_\_
  - (2) upper body (shirt/jacket/vest) \_\_\_\_\_
  - (3) lower body (pants/ shorts)
  - (4) gloves
  - (5) special arm bands, or similar items
  - (7) not applicable, no clothing or gloves
  - (8) other (specify) \_\_\_\_\_
  - (9) unknown

**42. What is the clothing color of the following?**

<b>Upper body clothing</b>	___ ___	D.5.3.2.6.1
<b>Lower body clothing</b>	___ ___	D.5.3.2.6.2
<b>Footwear</b>	___ ___	D.5.3.2.6.3
<b>Gloves</b>	___ ___	D.5.3.2.6.4

- (01) no dominating color, multi-colored
- (02) white
- (03) yellow
- (04) black
- (05) red
- (06) blue
- (07) green
- (08) silver
- (09) orange
- (10) brown
- (11) purple
- (12) gold
- (13) grey
- (97) not applicable/no clothing
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**43. What kind of eye protection were you wearing at the time of the crash?**

\_\_\_ \_\_\_ A.5.1.1.14/A 5.1.2.14

- (01) none
- (02) non-prescription clear glasses
- (03) prescription clear glasses
- (04) non-prescription sunglasses
- (05) prescription sunglasses
- (06) goggles, non-prescription
- (07) goggles, prescription
- (08) industrial safety glasses
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**44. What color was the eye coverage lens?**

\_\_\_ A.5.3.2.10

- (1) clear
- (2) green
- (3) grey, smoke
- (4) amber, yellow
- (5) blue
- (6) reflective (any color)
- (7) not applicable, not wearing eye coverage
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**HELMET DATA**

**45. Were you wearing a helmet?**

\_\_\_ A.5.3.2.11



- (1) no
- (2) yes
- (3) helmet available but not used
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**46. What is your reason for not wearing a helmet?** D.5.2.1.2.13 \_\_\_\_

- (01) not required by law
- (02) no expectation of accident involvement
- (03) helmets too expensive
- (04) helmets are inconvenient and uncomfortable
- (05) helmets reduce traffic awareness, limit hearing and vision
- (06) helmets ineffective in reducing head injury
- (07) helmets cause neck injury
- (08) helmets can not be used, physical or religious reasons
- (09) do not own a helmet
- (10) forgot to bring helmet today
- (97) not applicable, rider always wears a helmet
- (98) other (\*describe, 80 characters) \_\_\_\_\_
- (99) unknown

**If No Helmet was worn, go to Question 59**

**47. Was your helmet properly adjusted?** \_\_\_\_ A.5.3.2.12

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**48. Was your helmet securely fastened?** \_\_\_\_ A.5.3.2.13

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**49. What type of helmet is it?** \_\_\_\_ A.5.3.2.14

- (1) not a motorcycle helmet
- (2) half/police motor vehicle, motorcycle helmet
- (3) open face motor vehicle, motorcycle helmet
- (4) full face motor vehicle, motorcycle helmet
- (5) novelty helmet
- (7) not applicable, not helmet
- (8) other (specify)
- (9) unknown

**50. What is the type of coverage?** \_\_\_\_ A.5.3.2.15

- (11) partial coverage
- (12) full coverage
- (13) full facial, integral chin bar but no face shield
- (14) full facial, removable chin bar

- (15) full facial, retractable chin bar
- (16) full facial coverage, integral chin bar and face shield
- (17) wrap around face shield
- (18) bubble type face shield
- (19) visor/face shield combo
- (97) not applicable/no helmet
- (98) other (specify)
- (99) unknown

**51. What is the predominant color of your helmet?** \_\_\_\_\_ A.5.3.2.16

- (01) no dominating color, multi-colored
- (02) white
- (03) yellow
- (04) black
- (05) red
- (06) blue
- (07) green
- (08) silver, grey
- (09) orange
- (10) brown, tan
- (11) purple
- (12) gold
- (13) chrome, metallic
- (97) not applicable/no helmet
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**52. What is the color of the face shield?** \_\_\_\_\_ A.5.3.2.17

- (1) clear
- (2) green
- (3) grey, smoke
- (4) amber, yellow
- (5) blue
- (6) reflective (any color)
- (7) not applicable/no face shield
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**53. Do you own this helmet?** \_\_\_\_\_ A.5.3.2.18

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**54. How well does this helmet fit?** \_\_\_\_\_ A.5.3.2.19

- (1) acceptable fit
- (2) too large, too loose
- (3) too small, too tight
- (7) not applicable/no helmet
- (8) other (specify) \_\_\_\_\_

(9) unknown

**55. What percentage of time do you wear your helmet?** \_\_\_ \_\_\_ \_\_\_ % A.5.3.2.20  
(001-100) percent helmet worn  
(997) not applicable/no helmet  
(999) unknown

**56. Under what conditions do you usually wear your helmet?** \_\_\_ A.5.3.2.21.1  
(code all that apply; input "0" for remaining responses) \_\_\_ A.5.3.2.21.2  
(1) never uses helmet \_\_\_ A.5.3.2.21.3  
(2) long trips \_\_\_ A.5.3.2.21.4  
(3) highway traffic  
(4) in adverse weather  
(5) never in hot weather  
(6) always  
(7) not applicable/no helmet  
(8) other (specify) \_\_\_\_\_  
(9) unknown

**57. Was helmet retained in place on head during crash?** \_\_\_ A.5.3.2.30  
(1) no, helmet ejected from head during pre-crash time period  
(2) no, helmet ejected from head during crash  
(3) no, helmet ejected from head after collision  
(4) yes, helmet retained in place to completion of accident events  
(5) yes, helmet moved on head but was retained  
(7) not applicable/no helmet  
(8) other (specify)  
(9) unknown

## IMPAIRMENT

**58. Do you have any of the following permanent physical conditions?**  
(indicate all that apply; input "01" in remaining responses) \_\_\_ \_\_\_ A.5.1.2.39.1  
(01) no \_\_\_ \_\_\_ A.5.1.2.39.2  
(02) vision reduction or loss \_\_\_ \_\_\_ A.5.1.2.39.3  
(03) hearing reduction or loss  
(04) respiratory, cardiovascular condition  
(05) paraplegia  
(06) amputee  
(07) neurological, epilepsy, stroke  
(08) endocrine system, diabetes, digestive system  
(09) infirmity, arthritis, senility  
(98) other (specify) \_\_\_\_\_  
(99) unknown

**59. At the time of the crash, were you experiencing any of the following?**  
(indicate all that apply; input "01" in remaining responses) \_\_\_ \_\_\_ A.5.1.2.40.1  
(01) no \_\_\_ \_\_\_ A.5.1.2.40.2  
(02) fatigue \_\_\_ \_\_\_ A.5.1.2.40.3  
(03) hunger  
(04) thirst  
(05) elimination urgency

- (06) muscle spasm, cramp, itch
- (07) headache, minor malaise, fever
- (08) siesta syndrome (tired in afternoon)
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**60. Were you concerned about any of the following issues on the day of the crash?**

- (indicate all that apply; input "01" in remaining responses)    \_\_\_ \_\_\_    A.5.1.2.41.1
- (01) no problems    \_\_\_ \_\_\_    A.5.1.2.41.2
  - (02) conflict with friends, relatives, divorce, separation    \_\_\_ \_\_\_    A.5.1.2.41.3
  - (03) work related problems
  - (04) financial distress
  - (05) school problems
  - (06) legal, police problems
  - (07) reward stress
  - (08) traffic conflict, road rage
  - (09) death of family, friend
  - (98) other (specify) \_\_\_\_\_
  - (99) unknown

**61. How many hours of sleep did you have in the past 24 hours?**    \_\_\_ \_\_\_

- (00) no sleep
- (01-24) number of hours slept
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**62. Did you drink any alcohol or take any drugs or medications today?**    \_\_\_    A.5.1.2.32

- (1) no
- (2) alcohol use, only
- (3) drug/medication use, only
- (4) combined alcohol and drug/medication use
- (8) other, \_\_\_\_\_
- (9) unknown

***Independently determine following questions***

**63. Alcohol/drug impairment?**    \_\_\_    A.5.1.2.33

- (1) no impairment
- (2) not legally impaired
- (3) legally impaired
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**64. Blood alcohol concentration (BAC)?**    \_\_\_ \_\_\_ \_\_\_ mg/100ml    A.5.1.2.34

- Code results
- (000) negative BAC
  - (995) BAC tested, results not known
  - (996) BAC not tested
  - (998) other (specify) \_\_\_\_\_
  - (999) unknown

**65. Source of BAC information?**    \_\_\_    A.5.1.2.35

- (01) not tested
- (02) tested, results not available
- (03) breath testing
- (04) blood test
- (05) urine test
- (06) unknown if tested
- (07) tested, results unknown
- (98) other (specify) \_\_\_\_\_
- (99) unknown source

**66. Time span from crash to BAC collection?**                      \_\_\_ \_\_\_ hours                      A.5.1.2.3

- (00) no test done
- (01-96) actual hours
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**67. Type of drugs other than alcohol?**                      \_\_\_                      A.5.1.2.37

- (1) no drugs other than alcohol
- (2) stimulant
- (3) depressant
- (4) drugs taken, type unknown
- (5) multiple drugs taken
- (7) not applicable, no drugs or alcohol
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**68. Source of drugs other than alcohol?**                      \_\_\_                      A.5.1.2.38

- (1) no drugs other than alcohol
- (2) prescription
- (3) non-prescription, over the counter
- (4) illegal
- (7) not applicable, no drugs or alcohol
- (9) unknown