

**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?

| | | |
|----------------------------|---------|-------------|
| Upper body clothing | ___ ___ | D.5.3.2.6.1 |
| Lower body clothing | ___ ___ | D.5.3.2.6.2 |
| Footwear | ___ ___ | D.5.3.2.6.3 |
| Gloves | ___ ___ | 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