

**CRASH  
Motorcycle Rider Questionnaire**

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

**2. Motorcycle Rider Number** \_\_\_\_\_

**BACKGROUND INFORMATION**

**3. How old are you?** \_\_\_\_\_ A.5.1.1.3  
Code actual age in years  
(99) unknown

**4. Where did you get your current driver's license?** \_\_\_\_\_ A.5.1.1.4  
(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.5.1.1.5.1  
(Code up to 4; input "97" in remaining responses) \_\_\_\_\_ A.5.1.1.5.2  
(01) no license held \_\_\_\_\_ A.5.1.1.5.3  
(02) learner's permit, only \_\_\_\_\_ A.5.1.1.5.4  
(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.5.1.1.6.1  
(Listed in same order as licenses above) \_\_\_\_\_ A.5.1.1.6.2  
(9997) not applicable \_\_\_\_\_ A.5.1.1.6.3  
(9999) unknown \_\_\_\_\_ A.5.1.1.6.4

**7. How many times have you acquired a motorcycle learner's permit?** \_\_\_\_\_  
(00) never  
(01-96) actual number of times  
(98) other (specify) \_\_\_\_\_  
(99) unknown

**8. How long have you held a motorcyclist license?** \_\_\_\_\_ Months  
(000) less than two weeks  
(001-995) actual number of months  
(996) 996 months or greater  
(997) Not applicable, no license held  
(998) other (specify) \_\_\_\_\_

(999) unknown

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

- (0) refused to answer
- (1) no
- (2) yes
- (8) other (describe) \_\_\_\_\_
- (9) unknown

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

- Please select one or more, code "7" in others \_\_\_\_\_
- (0) refused to answer
  - (1) white \_\_\_\_\_
  - (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

**11. What is your height?** \_\_\_\_\_ ft. \_\_\_\_\_ in. A.5.1.1.9

(9/99) unknown

**12. What is your weight?** \_\_\_\_\_ lbs. A.5.1.1.10

(999) unknown

**13. Gender** \_\_\_\_\_ A.5.1.1.11

- (1) male
- (2) female
- (9) unknown

**14. How much formal education have you had?** \_\_\_\_\_ A.5.1.1.12

- (01) no formal schooling
- (02) less than high school diploma
- (03) high school diploma or GED
- (04) partial college/university
- (05) college/university graduate
- (06) graduate school, advanced degree, professional degree
- (07) specialty/technical school
- (97) not applicable
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**15. What is your current occupation?** \_\_\_\_\_ A.5.1.1.13

- (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

**16. Are you married?** \_\_\_\_\_ D.5.2.1.1.4

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

**17. How many children do you have?** \_\_\_\_\_ D.5.2.1.1.5

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

**RIDING/DRIVING EXPERIENCE**

**18. Are you the owner of this motorcycle?** \_\_\_\_\_

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

**19. Where did you purchase this motorcycle?** \_\_\_\_\_

- (1) dealership (store front or internet)

- (2) family, friend, or neighbor
- (3) newspaper want ad or internet ad
- (4) motorcycle was a gift
- (7) not applicable, rider does not own this motorcycle
- (8) other, specify \_\_\_\_\_
- (9) unknown

**20. How long have you owned this motorcycle? \_\_\_\_ \_\_\_\_**

- (00) less than two weeks
- (01) one year or less
- (02-96) number of years
- (97) not applicable, rider does not own this motorcycle
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**21. During the most recent period of riding regularly, how many MONTHS have you operated a street motorcycle? \_\_\_\_ \_\_\_\_ \_\_\_\_ A.5.1.1.16**

- (000) this is the first time
- (001) less than or equal to one month
- (002-095) actual number of months
- (096) 96 months or more
- (997) not applicable
- (998) other (specify) \_\_\_\_\_
- (999) unknown

**22. How many MONTHS have you operated the crash-involved motorcycle? \_\_\_\_ \_\_\_\_ \_\_\_\_**

- (000) this is the first time A.5.1.1.16
- (001) less than or equal to one month
- (002-095) actual number of months
- (096) 96 months or more
- (998) other (specify) \_\_\_\_\_
- (999) unknown

**23. What is the average number of days per year you ride motorcycles? \_\_\_\_ \_\_\_\_ \_\_\_\_**

- (001-365) Actual number of days per year A.5.1.1.18
- (997) not applicable, first time
- (999) unknown

**24. About how many miles per year do you ride motorcycles? \_\_\_\_\_**

- (00000) none A.5.1.1.19
- (00001-99995) actual miles
- (99996) 99996 or greater miles
- (99998) other (specify) \_\_\_\_\_
- (99999) unknown

**25. What kind of motorcycle training have you had? \_\_\_\_ \_\_\_\_ A.5.1.1.20**

- (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

**26. In what years have you taken any formal motorcycle training?**

- Code up to three \_\_\_\_\_
- (9997) not applicable \_\_\_\_\_
  - (9999) unknown \_\_\_\_\_

**27. Please tell me the reason for not taking motorcycle safety training \_\_\_\_\_**

- (1) not offered
- (2) enrolled for future date
- (3) tried unsuccessfully to enroll
- (4) not interested/don't need it
- (5) cost
- (7) not applicable, took training
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**28. What year was your most recent motorcycle training class? \_\_\_\_\_**

- Code actual year
- (0000) no training class
  - (9998) other (specify) \_\_\_\_\_
  - (9999) unknown

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

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

**30. Were there years in which you gave up riding a motorcycle before returning to riding? \_\_\_\_\_**

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

**31. 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

**32. 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.5.1.1.21.1 |
| Basic transportation | _____ % | A.5.1.1.21.2 |
| MC Rider             |         |              |

100%

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

**33. How many YEARS have you been driving any kind of motor vehicle?**      \_\_\_ \_\_\_ years

- (00) less than two weeks      A.5.1.1.15
- (01) one year or less
- (02-96) actual number of years
- (97) not applicable/no previous experience/first time
- (99) unknown

**34. 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

**35. 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

**36. How many moving traffic convictions have you had in the previous 5 years?**

- Code the total number of moving traffic convictions – any vehicle      \_\_\_ \_\_\_
- (00) none      A.5.1.1.24
  - (99) unknown

**37. Of those how many were motorcycle moving violation-related?**      \_\_\_ \_\_\_

- Code the total number of previous motorcycle moving violations      A.5.1.1.25
- (00) none
  - (99) unknown

**38. Of those how many were car or truck moving violation-related?**      \_\_\_ \_\_\_

- Code the total number of previous car or truck moving violations      A.5.1.1.26
- (00) none
  - (99) unknown

**39. How much experience do you have riding with passengers on a motorcycle?**      \_\_\_

- (1) first time carrying passenger(s)      A.5.1.1.22
- (2) very little experience
- (3) moderate experience
- (4) extensive experience
- (7) not applicable, never carry passengers

(9) unknown

**40. How much experience do you have riding with cargo/luggage?** \_\_\_\_\_

- (1) first time A.5.1.1.23
- (2) seldom carries similar cargo/luggage
- (3) frequently carries similar cargo/luggage
- (4) always carries similar cargo/luggage
- (7) not applicable/no experience with cargo/luggage
- (9) unknown

**TRIP INFORMATION**

**41. At what kind of location did you begin your trip today?** \_\_\_\_\_  
A.5.1.1.27

- (01) home
- (02) work, business
- (03) recreation/social
- (04) school/religious activity
- (05) errand, shopping
- (06) family personal business/obligations
- (07) meals, restaurant, etc.
- (08) transport someone
- (09) medical/dental
- (10) bar, pub
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**42. Did you do any safety or maintenance checks on your motorcycle before leaving for this trip?** Code up to 4.

- (0) none \_\_\_\_\_
- (1) exterior, visual inspection, only \_\_\_\_\_
- (2) checked fluids \_\_\_\_\_
- (3) checked lights \_\_\_\_\_
- (4) checked brakes \_\_\_\_\_
- (5) checked tire pressure
- (8) other, specify: \_\_\_\_\_
- (9) unknown

**43. What was your trip destination?** \_\_\_\_\_ A.5.1.1.28

- (01) home
- (02) work, business
- (03) recreation/social
- (04) school/religious activity
- (05) errand, shopping
- (06) family personal business/obligations
- (07) meals, restaurant, etc
- (08) transport someone
- (09) medical/dental
- (10) bar, pub
- (11) no destination, joy riding
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**44. About how many miles would the trip have been one way?** \_\_\_\_ \_\_\_\_ \_\_\_\_ A.5.1.1.29

- (001) one mile or less
- (002-995) actual number of miles
- (996) 996 miles or greater
- (997) not applicable
- (999) unknown

**45. How frequently do you travel this road on/in any vehicle?** \_\_\_\_ \_\_\_\_

- (01) first time
- (02) daily use, i.e., once or more per day
- (03) weekly use, i.e., once or more per week
- (04) monthly use, i.e., once or more per month
- (05) quarterly, i.e., once or more per quarter
- (06) annually, i.e., once or more per year
- (07) less than annually
- (99) unknown

**46. How many hours have you been riding today since your departure?** \_\_\_\_ \_\_\_\_

- (01) one hour or less A..5.1.1.31
- (02-95) actual hours
- (96) 96 or more
- (97) not applicable, had not yet begun trip
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**47. How many miles had you ridden before the crash occurred?** \_\_\_\_ \_\_\_\_ \_\_\_\_

- (001) one mile or less A..5.1.1.31
- (002-095) actual hours
- (096) 96 or more
- (997) not applicable, had not yet begun trip
- (998) other (specify) \_\_\_\_\_
- (999) unknown

## SITUATION

**48. What was your position on the motorcycle at time of collision?** \_\_\_\_ \_\_\_\_ A.5.1.1.42

- (01) not on motorcycle, separated before collision
- (02) normal seating position
- (03) standing on footrests, foot pegs
- (04) seated, head down
- (05) shoulder check, left
- (06) shoulder check, right
- (07) dismounting, jumping to side
- (08) dismounting, jumping upward
- (09) dragging feet, foot down
- (10) abnormal seating position
- (11) standing on seat
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**49. Were you distracted by any of the following?** \_\_\_\_ \_\_\_\_ A.5.1.1.44

*Prior to Recognition Of Critical Event*

(01) Attentive or not distracted

(02) Looked but did not see

*Distractions*

(03) By other occupant(s), (specify): \_\_\_\_\_

(04) By moving object in vehicle (specify): \_\_\_\_\_

(05) While talking or listening to cellular phone/intercom or short wave radio

(specify location and type of phone): \_\_\_\_\_

(06) While dialing cellular phone/intercom/short wave radio

(specify location and type of phone): \_\_\_\_\_

(07) While adjusting climate controls

(08) While adjusting radio, cassette, CD (specify): \_\_\_\_\_

(09) While using other device/controls integral to vehicle (specify): \_\_\_\_\_

(10) While using or reaching for device/object brought into vehicle (specify): \_\_\_\_\_

(11) Sleepy or fell asleep

(12) Distracted by outside person, object, or event (specify): \_\_\_\_\_

(13) Eating or drinking

(14) Smoking related

(15) While listening or adjusting GPS device

(96) Distracted/inattentive, details unknown

(98) Other, distraction (specify): \_\_\_\_\_

(99) Unknown

**RIDING HABITS**

**50. Are you a motorcycle-related club member? \_\_\_\_**

(1) no

(2) yes

(9) unknown

**51. Were you riding with other motorcyclists? \_\_\_\_**

(1) no

(2) yes

(8) other (specify) \_\_\_\_\_

(9) unknown

**52. How many other motorcycles were in the group? \_\_\_\_**

(00) none, no group

(01 – 95) code number of motorcycles

(96) 96 motorcycles or more

(98) other (specify) \_\_\_\_\_

(99) unknown

**53. Was the group riding in a specific formation? \_\_\_\_**

(1) single file

(2) staggered

(3) side-by-side

(7) not applicable, no group

(8) other (specify) \_\_\_\_\_

(9) unknown

**54. If in a formation, where was your motorcycle placed in formation? \_\_\_\_**

(0) not in formation

- (1) front area
- (2) middle area
- (3) rear area
- (7) not applicable, no group
- (8) other (specify) \_\_\_\_\_
- (9) unknown

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

**55. What kind of clothing was on your upper body?** \_\_\_\_\_ A.5.3.1.1

- (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

**56. Was this upper body clothing motorcycle-oriented?** \_\_\_\_\_ A.5.3.1.2

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

**57. What kind of clothing was on your lower body?** \_\_\_\_\_ A.5.3.1.3

- (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

**58. Was this lower body clothing motorcycle-oriented?** \_\_\_\_\_ A.5.3.1.4

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

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

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

**60. What kind of shoes or boots were you wearing?** \_\_\_\_\_ A.5.3.1.5

- (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

**61. Did this footwear go up over your ankle?** \_\_\_\_\_

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

**62. Was the footwear motorcycle-oriented?** \_\_\_\_\_ A.5.3.1.6

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

**63. What kind of gloves were you wearing?** \_\_\_\_\_ A.5.3.1.7

- (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

**64. Are the gloves motorcycle-oriented?** \_\_\_\_\_ A.5.3.1.8

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

**65. 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

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

**Upper body clothing** \_\_\_\_\_ D.5.3.1.6.1

**Lower body clothing** \_\_\_\_\_ D.5.3.1.6.2

**Footwear**                    \_\_\_ \_\_\_                    D.5.3.1.6.3  
**Gloves**                     \_\_\_ \_\_\_                    D.5.3.1.6.4

- (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

**67. Do you think any of your clothing helped with your ability to safely operate your motorcycle?**                    A.6.3.1.44 and A.6.3.1.45 combined

**Upper body clothing**                    \_\_\_ \_\_\_  
**Lower body clothing**                    \_\_\_ \_\_\_  
**Footwear**                                    \_\_\_ \_\_\_  
**Gloves**                                        \_\_\_ \_\_\_

- (01) apparel had no effect
- (02) apparel protected or helped rider
- (03) apparel uncomfortable or distracting
- (97) not applicable, no apparel
- (98) other, specify \_\_\_\_\_
- (99) unknown

**68. What kind of eye protection were you wearing at the time of the crash?**                    \_\_\_ \_\_\_

- (01) none                                    A.5.1.1.14
- (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

**69. Are you required to wear corrective lenses when riding/driving?**                    \_\_\_

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

**70. What color was the eye coverage lens?**                    \_\_\_                    A.5.3.1.10

- (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**

**71. Were you wearing a helmet?**    \_\_\_    A.5.3.1.11

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

**72. What is your reason for not wearing a helmet?**    \_\_\_    D.5.2.1.1.13

- (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 PRECRASH section**

**73. Was your helmet properly adjusted?**    \_\_\_    A.5.3.1.12

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

**74. Was your helmet securely fastened?**    \_\_\_    A.5.3.1.13

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

**75. What type of helmet is it?**    \_\_\_    A.5.3.1.14

- (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

**76. What is the type of helmet coverage?** \_\_\_\_ \_\_\_\_ A.5.3.1.15

- (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

**77. What is the predominant color of your helmet?** \_\_\_\_ \_\_\_\_ A.5.3.1.16

- (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

**78. What is the color of the face shield?** \_\_\_\_ A.5.3.1.17

- (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

**79. Do you own this helmet?** \_\_\_\_ A.5.3.1.18

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

**80. How well does this helmet fit?** \_\_\_\_\_ A.5.3.1.19

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

**81. What percentage of time do you wear your helmet when riding?** \_\_\_\_\_ %

Code from 001-100 percent A.5.3.1.20

- (997) not applicable/no helmet
- (999) unknown

**82. Under what conditions do you usually wear your helmet?** \_\_\_\_\_ A.5.3.1.21.1

(code up to four; input "0" for remaining responses) \_\_\_\_\_ A.5.3.1.21.2

(1) never uses helmet \_\_\_\_\_ A.5.3.1.21.3

(2) long trips \_\_\_\_\_ A.5.3.1.21.4

(3) highway traffic

(4) in adverse weather

(5) never in hot weather

(6) always

(7) not applicable/no helmet

(8) other (specify) \_\_\_\_\_

(9) unknown

**83. Was the helmet retained in place on your head during crash?** \_\_\_\_\_ A.5.3.1.30

(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

**PRECRASH DATA**

**84. How were you operating your motorcycle immediately prior to the crash?**

- (00) Stopped in traffic, speed is zero
- (01) Moving in a straight line, constant speed
- (02) Moving in a straight line, foot off accelerator
- (03) Moving in a straight line, braking
- (04) Moving in a straight line, accelerating
- (05) Turning right, constant speed
- (06) Turning right, foot off accelerator
- (07) Turning right, braking

- (08) Turning right, accelerating
- (09) Turning left, constant speed
- (10) Turning left, foot off accelerator
- (11) Turning left, braking
- (12) Turning left, accelerating
- (13) Stopped at roadside, or parked
- (14) Backing up, in a straight line
- (15) Backing up, steering left
- (16) Backing up, steering right
- (17) Making U-turn right
- (18) Making U-turn left
- (19) Making Y-turn right
- (20) Making Y-turn left
- (21) Changing lanes to left
- (22) Changing lanes to right
- (23) Merging to left
- (24) Merging to right
- (25) Entering traffic from right shoulder, median, or parked
- (26) Entering traffic from left shoulder, median, or parked
- (27) Leaving traffic, turn out to right
- (28) Leaving traffic, turn out to left
- (29) Passing maneuver, passing on right
- (30) Passing maneuver, passing on left
- (31) Crossing opposing lanes of traffic
- (32) Traveling wrong way, against opposing traffic
- (36) Collision avoidance maneuver to avoid a different collision
- (37) Negotiating a curve, constant speed
- (38) Negotiating a curve, foot off accelerator
- (39) Negotiating a curve, braking
- (40) Negotiating a curve, accelerating
- (97) Not applicable
- (98) Other, specify: \_\_\_\_\_
- (99) Unknown

**85. Where were you looking at the start of the crash sequence?** \_\_\_\_\_

- (1) looking straight ahead
- (2) looking right
- (3) looking left
- (4) looking rearward
- (5) looking at own motorcycle
- (8) other (specify)
- (9) unknown

**86. Were your motorcycle brakes functioning before the crash?** \_\_\_\_\_ A.4.1.1.35

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

**87. Did you have your hands/fingers positioned on the front brake prior to the crash event?** \_\_\_\_\_ A.6.3.1.17

- (1) no

- (2) yes
- (7) not applicable, no front brake or brake lever
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**88. In which lane were you traveling just before the precipitating event?** \_\_\_\_\_

- (1) lane 1 (right curb lane)
- (2) lane two
- (3) lane three
- (4) lane four
- (7) not applicable, not in a travel lane
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**89. What was your travel speed just before the precipitating event?** \_\_\_\_\_ A.4.2.2.a

- (00) stopped
- (01-95) actual miles per hour
- (96) 96 mph or more
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**90. What were the lateral movements of your motorcycle immediately before impact?** \_\_\_\_\_

- (01) no movement/avoidance maneuver
- (02) lane departure-left side
- (03) lane return-left side
- (04) lane departure right side
- (05) lane return-right side
- (06) road departure-left side
- (07) road return-left side
- (08) road departure-right side
- (09) road return-right side
- (97) not applicable
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**91. What avoidance actions did you attempt (if any)?** \_\_\_\_\_ A.4.2.5.1

Code up to four \_\_\_\_\_ A.4.2.5.2

(01) braking \_\_\_\_\_ A.4.2.5.3

(02) downshifting \_\_\_\_\_ A.4.2.5.4

(03) releasing brakes \_\_\_\_\_

(04) steering left

(05) steering right

(06) accelerating

(07) laid the bike down

(08) use of horn

(09) flashing headlamp

(10) drag feet

(11) jump or bail out

(97) not applicable/no avoidance actions

(98) other (specify) \_\_\_\_\_

(99) unknown

**92. Did you lose control of the motorcycle?**      \_\_\_ \_\_\_

A.6.3.1.11

- (01) capsized or fell over
- (02) braking slide out-low side
- (03) braking slide out-high side
- (04) cornering slide out-low side
- (05) cornering slide out-high side
- (06) ran wide on turn, ran off road
- (07) lost wheelie
- (08) low speed wobble
- (09) high speed wobble
- (10) weave, no pitch
- (11) pitch weave, low speed
- (12) pitch weave, high speed cornering
- (13) end over, flying W
- (14) continuation, no control actions
- (15) lost stoppie
- (97) not applicable, no loss of control
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**93. Was there any control loss due to weather, roadway or mechanical problems?**      \_\_\_

- (01) no control loss due to weather, roadway or mechanical problems
- (02) yes, control loss due to weather
- (03) yes, control loss due to mechanical problems
- (04) yes, control loss due to both weather and mechanical
- (05) yes, control loss due to roadway
- (06) yes, control loss due to roadway and weather
- (07) yes, control loss due to roadway and mechanical
- (08) yes, control loss due to all three
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**RECOGNITION/DECISION**

If not multi-vehicle crash, code not applicable to questions \_\_\_ through \_\_\_

**94. Where was the other vehicle coming from in relation to you?**      \_\_\_ \_\_\_

- (01) 180 degrees opposed (oncoming)
- (02) from left front
- (03) from left
- (04) from left rear
- (05) from right front
- (06) from right
- (07) from right rear
- (08) from behind
- (97) not applicable/no other vehicle
- (98) other (specify) \_\_\_\_\_
- (99) unknown

**95. Was your line of sight to the other vehicle clear?**      \_\_\_

A.4.2.3

- (1) yes, clear

- (2) no, view obstructed by road curvature
- (3) no, view obstructed by roadway grade
- (4) no, view obstructed by roadside objects (shrubs, vehicles, buildings)
- (5) other vehicle in blind spot of mirror
- (7) not applicable, no other vehicle
- (8) other (specify) \_\_\_\_\_
- (9) unknown

**96. Was your view of the other vehicle obscured?** \_\_\_\_ \_\_\_\_

- (01) no, not obscured
- (02) yes, obscured by sun glare
- (03) yes, obscured by headlight glare
- (04) yes, obscured by other glare (specify) \_\_\_\_\_
- (05) yes, obscured by darkness
- (06) yes, obscured by nighttime and color of vehicle
- (07) obscured by dust, smoke, smog, fog
- (08) obscured by windshield or eye wear condition (dirt, condensation, etc)
- (97) not applicable
- (98) yes, obscured by other (specify) \_\_\_\_\_
- (99) unknown

**IMPAIRMENT**

**97. Do you have any of the following permanent physical conditions?** \_\_\_\_ \_\_\_\_ A.5.1.1.39.1

(Code up to three; input "01" in remaining responses) \_\_\_\_\_ A.5.1.1.39.2

(01) no \_\_\_\_\_ A.5.1.1.39.3

- (02) vision reduction or loss
- (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

**98. At the time of the crash, were you experiencing any of the following?**

(Code up to three; input "01" in remaining responses) \_\_\_\_\_ A.5.1.1.40.1

(01) no \_\_\_\_\_ A.5.1.1.40.2

(02) fatigue \_\_\_\_\_ A.5.1.1.40.3

- (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

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

(Code up to three; input "01" in remaining responses) \_\_\_\_ \_\_\_\_ A.5.1.1.41.1

- (01) no problems \_\_\_\_\_ A.5.1.1.41.2
- (02) conflict with friends, relatives, divorce, separation \_\_\_\_\_ A.5.1.1.41.3
- (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 \_\_\_\_\_

**100. 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

**101. Did you drink any alcohol or take any drugs or medications today?** \_\_\_\_\_

- (1) no A.5.1.1.32
- (2) alcohol use, only
- (3) drug/medication use, only
- (4) combined alcohol and drug/medication use
- (8) other, \_\_\_\_\_
- (9) unknown

***Independently determine following questions***

**102. Alcohol/drug impairment?** \_\_\_\_\_ A.5.1.1.33

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

**103. Blood alcohol concentration (BAC)?** \_\_\_\_\_ mg/100ml A.5.1.1.34

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

**104. Source of BAC information?** \_\_\_\_\_ A.5.1.1.35

- (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

**105. Time span from crash to BAC collection?  
(or time of death in fatal cases)**      \_\_\_ \_\_\_ hours      A.5.1.1.36

(00) no test done

(01-96) actual hours

(98) other (specify) \_\_\_\_\_

(99) unknown

**106. Type of drugs other than alcohol?**      \_\_\_      A.5.1.1.37

(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

**107. Source of drugs other than alcohol?**      \_\_\_      A.5.1.1.38

(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