

Part II: Detailed Analysis Results

Summaries of Findings by Collision-Type

Each type of collision was analysed separately, and the results of those analyses are presented in detail here. Age data is presented graphically, using histograms that compare the distribution of age groups involved in each particular crash type with the age distribution of all the cyclists in the study. (In cases where a low number of collisions limits the analysis, the number of age groups in the histograms has been reduced by using ten-year increments instead of five. In general, the statistical significance of any trends that appear to emerge from samples of fewer than fifty cases may be questionable.) A similar graphical procedure was used to characterise the distribution of injury severity for each type of crash. Weather and light conditions are also graphed whenever they appear to depart from the ‘norm.’ Other factors that may have been significant are noted in tables.

These summaries provide detailed information about each type of collision, and can be used to compare the characteristics of different types of collisions. They illustrate some of the features referred to in the previous discussions, and can provide a basis for investigating hypotheses about cycling safety. For each collision type, diagrams illustrate the typical physical configuration, and maps depict the geographical distribution of collision incidents.

Collision Types:

Type 1: Drive Out at Controlled Intersection
Type 2: Drive Out From Lane or Driveway
Type 3: Motorist Reversing
Type 4: Motorist Right Turn at Red Light
Type 5: Motorist Right Turn – Other
Type 6: Motorist Opens Door in Path of Cyclist
Type 7: Cyclist Strikes Stopped Vehicle
Type 8: Motorist Left Turn – Facing Cyclist
Type 9: Motorist Left Turn – In Front of Cyclist
Type 10: Motorist Overtaking Cyclist
Type 11: Ride Out at Mid-Block
Type 12: Ride Out at Controlled Intersection

Type 13: Ride Out From Sidewalk
Type 14: Ride Out From Lane or Driveway
Type 15: Wrong Way Cyclist
Type 16: Cyclist Left Turn – In Front of Motorist
Type 17: Cyclist Left Turn – Facing Motorist
Type 18: Cyclist Lost Control
Type 19: Cyclist Caught in Intersection
Type 20: Cyclist Overtaking Motorist
Type 21: Drive Into/Out of On-Street Parking
Type 22: Other
Type 23: Unknown