Mapbook of EMS-attended motor vehicle crashes on Oahu, by Neighborhood Board, 2007-2011
Introduction:

This report summarizes the locations of EMS-attended motor vehicle crashes on Oahu, using Neighborhood Boards as the geographical reference. Although there are 35 actual Boards, several of them were split in this mapbook either to show major sections of highways (Pali Highway, Likelike, and H-3), or because of their large geographic scale (Waianae and the North Shore). There are therefore 40 separate maps, or tiles, for each of the 4 modes of crashes: automobiles (cars, trucks, and buses), motorcycles or mopeds, pedestrians, and bicyclists hit by motor vehicles. Bicyclists who were injured from crashes that did not involve a motor vehicle, i.e. by falling off their bikes, were not included. This distinction only became available in EMS data in 2009, so only bicycle crashes from 2009 through 2011 were included. An island-wide overview map precedes each of the 4 groups of maps. It should be noted that the automobile and motorcycle/moped crash totals for some Neighborhood Boards (e.g. Makakilo/Kapolei, Pearl City, Aiea, Kaneohe) are high partly because of the presence of major highways. Most of the rural or undeveloped portions of the Boards were cropped out of the tiles, to maintain a meaningful scale for viewing the crash locations. This cropping resulted in a loss of less than 2% of all crashes.

The data source for this report are the patient care reports completed electronically at the crash scene by City and County of Honolulu EMS providers. (This excludes reports submitted by EMS agencies for Hickam Air Force Base and Pearl Harbor Naval Base.) City and County personnel responded to 14,669 crashes over the 5-year period, of which 14,121 (96%) could be mapped or geocoded. Geocoding was accomplished by linking the patient care report to latitude and longitude recorded by the EMS Communications Center at the time of the 911 call. The crash “location” is therefore the location of the 911 caller, although this is assumed to usually be in the proximity of the actual crash. The crash location was plotted using ESRI ArcGIS geographic information system software. Geocoded crash locations that were within 50 feet of each other were merged to a common final location, for a more manageable description of clusters.

The Table of Contents on the following page provides a linked grid of the 4 types of maps for each of the Neighborhood Boards. Clicking on the page number in the Table will take the reader to the appropriate map.
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(continued)
Number of EMS-attended automobile crashes, by Neighborhood Board, 2007-2011

Number of crashes

- 4 - 120
- 121 - 160
- 161 - 300
- 301 - 400
- 401 - 759

Honolulu inset

- Makiki/lower Punchbowl (308)
- McCully/Moliili (296)
- Waikiki (183)
- Diamond Head/Kapahulu (155)
- Mokapu (4)
- Kailua (319)
- Waimanalo (120)
- Kuliouou-Kalani Iki (122)
- Hawaii Kai (180)
- Waialae-Kahala (145)
- Kaimuki (162)
- Palolo (59)
- Waialae-Kahala (145)
- Downtown (449)
- Nuuanu/Punchbowl (121)
- Ala Moana/Kakaako (283)
- Manoa (151)
- Waialae-Kahala (145)
- Downtown (449)
Aiea (441 crashes)
Airport (406 crashes)
Ewa (157 crashes)
Hawaii Kai (180 crashes)
Kahaluu (159 crashes)
Kailua (318 crashes)

Locator map

Number of automobile crashes
- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45
Kalihi-Palama (725 crashes)
Kalihi Valley (101 crashes)
Koolauloa (125 crashes)

Locator map

Number of automobile crashes
- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45
Kuliouou-Kalani Iki (122 crashes)

Locator map

Number of automobile crashes

- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45

Locator map
Makakilo/Kapolei (714 crashes)

Number of automobile crashes

- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45
Makiki/lower Punchbowl (297 crashes)
McCully/Moiliili (296 crashes)

Number of automobile crashes

- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45

Locator map
Locator map

Mililani Mauka (62 crashes)

Number of automobile crashes

- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45
Mokapu (4 crashes)

Locator map

Number of automobile crashes
- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45
North Shore, to Kahuku (128 crashes)

Locator map

Number of automobile crashes
- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45

State Rte 83
Kamehameha Hwy
Ashley Rd
Pupukea Rd
Kawailoa Rd
Charlie Rd
Marcon Rd
Plantation Rd
Planta ton Rd
Sand Rd
Kii Rd
Hep Tr
Leleui St
Baldwin Rd
Enos Rd
Alapio Rd
Malaekahana Valley Rd
Hoalua St
Hoalike Rd
Akanoho Pl
Watalee
Kii Rd
Kawela Cam
Plantation Rd
North Shore, to Kahuku (128 crashes)
Palolo (59 crashes)
Pearl City (584 crashes)

Number of automobile crashes
- 1 crash
- 2
- 3 to 5
- 6 to 10
- 11 to 45

Locator map

State Hwy 99
Waipio Uka St
Hiapo St
Kahimoe St
Lumiaina St
Oli Loop
Noheaiki St
State Rte 93
Hiahia Loop
Hula Pl
I- H-2
Keiki St
Hooli Cir
Luehu St
Kalauipo St
Makolu St
Maiha Cir
Hooalii Pl
Hooalii St
Hoowae St
Hooli Cir
Makolu St
Kaweloka St
Palamoi St
10

Kahuaina St
Waipahu St
Waiawa Rd
Ala Ike St
Ehle Dr
Birch Cir
Cedar Dr
4th St
Kam Hwy
Hoola Pl
Hoowali St
Acacia Rd
Hooli Cir
Lehua Ave
Kuahaka St
Kuahaka Pl
Hoowae St
Hooalii St
Makolu St
Kaweloka St
Palamoi St
10

Awalai St
State Hwy 99
Waipio Uka St
Hiapo St
Kahimoe St
Lumiaina St
Oli Loop
Noheaiki St
State Rte 93
Hiahia Loop
Hula Pl
I- H-2
Keiki St
Hooli Cir
Luehu St
Kalauipo St
Makolu St
Maiha Cir
Hooalii Pl
Hooalii St
Hoowae St
Hooli Cir
Makolu St
Kaweloka St
Palamoi St
10
Wahiawa (284 crashes)
Waianae, north (219 crashes)
Waianae, south (273 crashes)
Waipahu (600 crashes)
Number of EMS-attended motorcycle/moped crashes, by Neighborhood Board, 2007-2011

Number of crashes

- 4 - 30
- 31 - 50
- 51 - 90
- 91 - 110
- 111 - 168

Honolulu inset

- Kuliouou-Kalani Iki (27)
- North Shore (128)
- Waianae (91)
- Wahiawa (69)
- Koolauloa (36)
- Pearl City (48)
- Aiea (82)
- Kailua (83)
- Ewa (39)
- Airport (63)
- Makakilo/Kapolei (96)
- Kahaluu (35)
- Waipahu (79)
- Ewa (39)
- Mililani Mauka (11)
- Wahiawa (69)
- Waialae-Kahala (81)
- Honolulu inset...
- see inset
Aiea, H-3 (5 crashes)

Locator map

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

I- H-3
Aliamanu/Salt Lake (33 crashes)

Number of motorcycle/moped crashes

- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map

Number of motorcycle/moped crashes
Downtown (116 crashes)
Ewa (39 crashes)
Kailua (82 crashes)
Kalihi Valley (15 crashes)

Number of motorcycle/moped crashes

- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map
Kalihi Valley, Likelike Hwy (4 crashes)

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map

Kalihi Valley, Likelike Hwy (4 crashes)

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map
Koolauloa (36 crashes)

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map

- State Rte 83
- Kamehameha Hwy
- Koolau Rd
- Center St
- Plantation Rd
- Twin Bridge Rd
- Whitmore Ave
- Comsat Rd
- California Ave
- Ashley Rd
- Glen Ave
- Polaris Dr
- Puhuli St
- Cane Haul Rd
- Kaaawa Valley Rd
- Koolauloa (36 crashes)
Makiki/lower Punchbowl (86 crashes)

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map
Number of motorcycle/moped crashes

Manoa (83 crashes)
Mililani/Waipio (26 crashes)

Locator map

Number of motorcycle/moped crashes

- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map

Mililani Cemetery Rd
Waiawa Prison Rd
Mililani/Waipio (26 crashes)
North Shore, Haleiwa (87 crashes)

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10
North Shore, to Kahuku (39 crashes)

Locator map

Number of motorcycle/moped crashes
- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10
Pearl City (45 crashes)
Waialae-Kahala (77 crashes)
Waianae, south (42 crashes)

Number of motorcycle/moped crashes

- 1 crash
- 2
- 3
- 4 to 5
- 6 to 10

Locator map
Waipahu (77 crashes)
Number of EMS-attended pedestrian crashes, by Neighborhood Board, 2007-2011

Honolulu inset

Number of crashes
- 4 - 15
- 16 - 30
- 31 - 50
- 51 - 100
- 101 - 171
Ala Moana/Kakaako (164 crashes)
Aliamanu/Salt Lake (38 crashes)
Number of pedestrian crashes

Downtown (119 crashes)
Ewa (31 crashes)
Hawaii Kai (19 crashes)

Number of pedestrian crashes

- 1 crash
- 2
- 3
- 4
- 5 to 14
Kaimuki (23 crashes)
Kalihi-Palama (171 crashes)
Kalihi Valley, Likelike Hwy (0 crashes)
Kaneohe (41 crashes)
Liliha/Kapalama (27 crashes)
Manoa (24 crashes)

Number of pedestrian crashes

- 1 crash
- 2
- 3
- 4
- 5 to 14

Locator map
Moanalua (8 crashes)
Mokapu (1 crash)
North Shore, to Kahuku (15 crashes)

Locator map

Number of pedestrian crashes
- 1 crash
- 2
- 3
- 4
- 5 to 14
Nuuanu, Pali Hwy (7 crashes)
Palolo (15 crashes)
Pearl City (55 crashes)
Waianae, north (44 crashes)
Number of EMS-attended bicycle crashes, by Neighborhood Board, 2009-2011

Number of crashes:
- 0 - 4
- 5 - 7
- 8 - 14
- 15 - 25
- 26 - 47
Aiea (9 crashes)
Aiea, H-3 (0 crashes)

Locator map

Number of bicycle crashes:
- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes
Ala Moana/Kakaako (47 crashes)
Aliamanu/Salt Lake (4 crashes)
Diamond Head/Kapahulu (24 crashes)
Ewa (13 crashes)
Hawaii Kai (15 crashes)

Locator map

Number of bicycle crashes

1 crash
2
3
4
Kailua (24 crashes)
Kalihi Valley (2 crashes)

Locator map

Number of bicycle crashes

- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes

Map showing the location of bicycle crashes in Kalihi Valley.
Kalihi Valley, Likelike Hwy (0 crashes)
Kaneohe (7 crashes)

Number of bicycle crashes

- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes
Koolau (6 crashes)

Number of bicycle crashes:
- 1 crash
- 2
- 3
- 4

Locator map
Manoa (8 crashes)

Number of bicycle crashes

- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes

Locator map
Mililani Mauka (1 crash)
Mokapu (0 crashes)
North Shore, Haleiwa (5 crashes)

Number of bicycle crashes
- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes
Locator map

Nuuanu, Pali Hwy (0 crashes)

Number of bicycle crashes
- 1 crash
- 2 crashes
- 3 crashes
- 4 crashes
Waialae-Kahala (6 crashes)
Waianae, north (8 crashes)

Locator map

Number of bicycle crashes
- Red circle: 1 crash
- Pink circle: 2 crashes
- Orange circle: 3 crashes
- Black circle: 4 crashes
Waipahu (6 crashes)