**DOHMH SPARCS Project Description Form**

**1. Project Title: Matching traffic-related hospitalizations and ED Visits in NYC with NYS crash data**

**2. Project Contact**

**Name: Lawrence Fung**

**Title: Research Scientist**

**3. Project Description**

**Traffic-related injuries include injuries from motor vehicles to pedestrians, bicyclists, motorcyclists, and motor vehicle occupants. In NYC, traffic-related injuries are a leading cause of injury hospitalizations and emergency department visits. NYC launched “Vision Zero,” an action plan to reduce traffic-related injuries and deaths on city streets. Vision Zero is a multi-agency effort, incorporating road engineering, traffic enforcement, community outreach and education, and policy work to make New York City’s streets safer.**

**A linked dataset between hospitalization records and motor vehicle crashes will provide a better understanding of injury outcomes and charges associated with motor vehicle crashes as a public health concern. Limited injury information is available in police crash reports. On the other hand, limited crash event information is known when reviewing hospitalization records. Crash and hospitalization linked together can be a powerful tool for traffic safety research. This combined dataset can identify at-risk population groups, injury patterns, and locations which can influence research and programmatic and policy work related to traffic safety.**

**Full personal level identifiers such as names are not available; however, certain information may be available related to age/date of birth, addresses, date and time of event, and/or county of occurrence. Likelihood probabilities/weights are assigned to each available variable based on the variable’s estimated ability to identify a match. A final match score is calculated to determine if records are a match. These matching methods will follow methodology proposed and used by the National Highway and Traffic Safety Administration’s (NHTSA) and their Crash Outcome Data Evaluation System (CODES). NHTSA worked with states to link their police and health data in order to identify traffic safety issues.**

**4. DPRB number of existing agreement that project supplants (if necessary)**

**5. Will this project link SPARCS data to other data sets? If so, please describe.**

**Yes. SPARCS data will be linked to traffic crash data for crashes occurring in New York City. Data on traffic crashes occurring in NYC will be provided by the New York City Department of Transportation. NYC DOT has provided DOHMH with traffic crash data containing additional geocoded variables for use in previous surveillance projects and has agreed to provide these data for linkage purposes. Additional matching with New York City Vital Statistics for deaths is preferred. The Office of Vital Statistics of the New York City Department of Health and Mental Hygiene has also approved access to these data and matches with SPARCS records.**

**6. Identify any contractors or collaborators involved outside of DOHMH and their role.**

**None.**

**7. Will the project require access to HIV/AIDS records?**

**Yes.**

**8. Will the project require access to any of the following dates?**

* ACCIDENT RELATED DATE **YES – critical for understanding ‘time’ of injury event**
* ADMISSION DATE **YES – critical for understanding ‘time’ of injury event**
* DATE ALTERNATE CARE REQUIRED **NO**
* DISCHARGE DATE **YES**
* NON ACUTE FROM DATE (1 – 30) **NO**
* NON ACUTE THRU DATE (1 – 30) **NO**
* PROCEDURE DATES (1 – 14) **NO**
* STATEMENT FROM DATE **NO**
* STATEMENT THRU DATE **NO**

**9. Will the project require access to any of the following unencrypted identifiers?**

* ATTENDING/EMERGENCY DEPARTMENT PHYSICIAN STATE LICENSE NUMBERS ( 1 – 3) **NO**
* ENHANCED UNIQUE PERSONAL IDENTIFIER (UNENCRYPTED) **YES**
* INSURED’S POLICY NUMBERS (1 – 6) **NO**
* MOTHER'S MEDICAL RECORD NUMBER for Newborns **NO**
* NEWBORN BIRTH WEIGHT (previously Neonate Birth Weight) **NO**
* PATIENT ADDRESS **YES, needed for matching**
* PATIENT BIRTH DATE (UNENCRYPTED) **YES, needed for matching**
* PATIENT ZIP CODE EXTENSION **NO**
* MEDICAL RECORD NUMBER **NO**
* PATIENT CONTROL NUMBER (UNENCRYPTED) **NO**
* UNIQUE PERSONAL IDENTIFIER (UNENCRYPTED) **YES, needed for matching**

**10. Are there other identifying elements the project will require access to?**

**NO**