

Post-crash Cohort

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About Us

About PTC-POC

Persian Traffic Cohort-Post crash is located in Tabriz City, East Azerbaijan, Iran. It is conducted by the Road Traffic Injury Research Center. It has officially been designated by Ministry of Health and Medical Education as:

- National Trustee for Traffic Knowledge Development (Ref. No. MOHME: 500/829)
- Center of Excellence for Road Safety and Traffic Injury Prevention Research (Ref. No. MOHME: 3538/700/د).
- Authority for Road traffic injury registry system, in collaboration with governmental authorities, and supported by WHO country office of Iran (Ref. No. WHO: 2017/742294-0).

The center has 51 personnel as permanent or part-time employees or academic staff

and students at different degrees not only from various health sector areas but also from other sectors like engineering, road and urbanization, mechanics, IT, computer, artificial intelligence, forensic medicine and humanity sciences etc. It possesses its own sustainable budget and sustainable chart. RTIRC has an exceptional advantage of physical space (1400-sqm roofed area and 2000-sqm yard). Its Road Health and Safety Clinic and Laboratory are fully equipped with facilities to examine health and driving performance in a wide range of aspects.

Data collection sites

Traffic Health and Safety Clinic, as an occupational medicine and traffic health & safety service provider, offers the clients with different physical and mental health related examinations through practitioner/ psychologist/ psychiatrist visit, screening of sleep disorders, occupational Health services and safety consultation, diagnostic examinations of occupational medicine like spirometry, audiometry in a standard acoustic room, optometry, electrocardiography, and electroencephalography by specialists in occupational medicine. Its target group would be certain professional drivers (drivers of public transportation like taxi, bus, etc.), school bus drivers, applicants for driving licenses, drivers with history of high-risk traffic violations, patients (with a history of stroke, heart attack and so on).

Physician Visit Room

Optometry

Audiometry

Spirometry

Traffic Lab includes driving simulators as Sahand One Driving Simulator, Sahand Two driving simulator and a portable driving simulator. Different driving behaviors like reaction time, steering wheel's deflection, crash frequency and so on have been examined and recorded via simulators. The lab is equipped with Vienna Test System, Eye tracker, QEEG (to examine the pattern of brain waves in different groups).

Furthermore, there are mechanical equipment, electronics related equipment, aerial imaging equipment in order to conduct different examinations and research activities.

Traffic Laboratory Facilities

1st Generation Simulator

2nd Generation Simulator

Portable Simulator

Vienna Test System

QEEG while driving

Eye tracking while driving

Roadside Research Facilities

Speed cameras, research vehicles, air surveillance

Hospital based sites are located in two trauma hospitals (Shohada and Imam Reza) affiliated to TUOMS as the referral hospitals in the north west of the country. Their personnel are involved in entering trauma data as admit at the hospital.

PTC-POC team

Principal Investigators:

Dr. Homayoun Sadeghi Bazargani

Dr. Mohammad Hossein Soumi

Dr. Hosein Poustchi

PTC-POC Management

Dr. Mostafa farahbakhsh

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Dr. Vahideh Sadeghi
Dr. Mina Golestani
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PTC-POC staff

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Study goals:

Goal

It is aimed to determine road traffic accident characteristics and exposures (in terms of three dimensions of human, vehicle and road), risk factors and outcomes in a population-based cohort using traffic registration system data.

Specific Objectives

- To determine road traffic accident characteristics regarding dimensions of human, vehicle and road based on traffic registration system data.
- To determine the risk factors involved in a road traffic accident based on traffic registration system data.
- To determine health-related risk factors (pre-hospital and in-hospital) based on traffic registration system data.
- To determine road traffic accident consequences based on traffic registration system data:

Short-term and delayed consequences such as injury, severity of injury, death, disability, trauma-related psychological disorders, quality of life, post-accident safety behavior, social consequences, and factors affecting traumatic outcomes will be studied.

- To estimate the death incidence due to road traffic accident
- To estimate the incidence of all types of injuries due to road traffic accident
- To estimate the incidence of types of damages caused by road traffic accident
- To estimate the severity of the injury caused by road traffic accident
- To estimate the Relative risk for risk factors assessed in the post-crash cohort

How does it work?

Our partners

Partners & supporters

The financial and logistic supporters consist of Ministry of Health and Medical Education, Tabriz University of Medical Sciences, and Road Traffic Injury Research