Table S1. Criteria for detailed classification of causes of trauma.

Category	Detailed Description
1) Transport Accidents	- Traffic accidents, damages related to transport vehicles, including intentional incidents. - Collisions involving motorized vehicles in all places. - Collisions involving pedestrians and non-motorized transport vehicles or bicycles on roads and off-road traffic areas. - Excludes accidents involving transport vehicles where the causes are unrelated to automobiles and their movements (People in wheelchairs are considered pedestrians).
2) Falls and Slips	- Tripping or slipping on the same level, falling from buildings, slipping on stairs, falling downstairs.
3) Blunt Trauma	- Damage caused by collisions or impacts. - Being hit by a bat, hitting the head against a wall, contact with thrown objects, bodily crush (trapped, run over, etc.), crushing. - Includes hitting a traffic light while riding inline skates. - Excludes continuous friction, bites by animals, and scratches.
4) Penetrating Wounds	- Damage caused by stabbing or piercing forces. - Scratches, cuts, tears, penetrations, wounds, stabbings, hit by firearms (using gunpowder), hit by air guns, hit by arrows from bows, bullets from spring weapons. - Bites by humans, animals, dogs, and snakes, stung by bees.
5) Machinery	- Impact from explosions, contact with machinery, crushing by machinery.

Table S2. Definitions of Levels of Hospital Care

Level of Hospital Care	Terminology and Definitions
First-level Hospital	- Few specialties—mainly internal medicine, obstetrics and gynecology, pediatrics, and general surgery. - Often only one general practice physician or a nonphysician clinician. - Limited laboratory services are available for general analysis but not for specialized pathological analysis. - 50–250 beds.
Second-level Hospital	- More differentiated by function, with as many as 5 to 10 clinical specialties. - 200–800 beds.
Third-level Hospital	- Highly specialized staff and technical equipment—for example, cardiology, intensive care unit, and specialized imaging units. - Clinical services are highly differentiated by function. - Teaching activities in some facilities. - 300–1,500 beds.
Trauma center	the Korean government initiated a new Korean trauma system by establishing 17 regional trauma centers, each equivalent to a level-1 trauma center in the Unite states of America