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This paper presents the results of studies conducted in Delhi, India , on the pattern of motorized-two-wheeler and helmet use patterns , injuries to two-wheeler crash victims hospitalized in a neurosurgery ward , police reported fatal crashes and biomechanical evaluation of crash involved motorcycle helmets . The results indicate that in the absence of a law education alone does not convince riders to use helmets in Delhi and that lack of driver training does not seem to be a factor contributing to serious injury and fatal crashes. Conspicuity and better helmet design are the two most important safety measures for motorcycle and scooter riders.