# A screen shot of a computer  Description automatically generatedems back safety

EMS personnel are required to handle the EMS stretcher either with or without the

patients a minimum of nine times:

* Removal of the stretcher from the ambulance.
* Movement of the stretcher to the location where the patient is found.
* Movement to their own location, to the stretcher, or to temporary carry i.e. stair chair, reeves
* sleeve or stokes type baskets, or onto full length back board.
* Movement of the stretcher to the Ambulance, possibly over numerous steps, across rough,
* uneven, smooth, firm, or not so firm terrain.
* Movement of the stretcher into the back of the ambulance.
* Movement of the patient out of the ambulance at the health care facility.
* Movement of the patient into the health care facility to the assigned room or waiting area.
* Movement of the patient from the stretcher to the health care bed or waiting area seating
* (whether a chair or wheelchair).
* And finally return of the stretcher to the ambulance once turnover is accomplished.
* Two studies evaluated the biomechanical impact on emergency response personnel.

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