Acquired Brain Injury (ABI)	Any type of brain damage that occurs after birth → infection, disease, lack of oxygen
Traumatic Brain Injury (TBI)	Subset of ABI Brain injury caused by trauma to the head.
Types of TBI	 Close Head Injury: Brain is injured as a result of a blow to the head, or a sudden violent motion that causes the brain to knock against the skull → DIFFUSE Damage Coup and Contrecoup Deep axonal injury Soft tissues of brain hit skull
	 Penetrating Head Injury: Object penetrates the skull affecting specific or FOCAL areas of brain tissue
	Crush Injury: Least common. Often damages base of skull and brain stem nerves rather than brain itself.
TBI Chain of events	 Seconds after the accident Minutes/Hours after: results from loss of oxygen to the brain due to other injuries or post damage circumstances Any time after 1 and 2 and results from bleeding or swelling in the brain
TBI Coma	TBI often results in coma → "A state of profound unconsciousness, characterised by absence of spontaneous eye opening, response to painful stimuli, and vocalisation" Coma may not clear and they may remain in a persistent vegetative state (after 4 weeks is not good).
	Coma – Glasgow Coma Scale (GCS): Scores levels of consciousness (important to monitor as it is a prognostic indicator → longer time it is low; worse outcomes). • E (eye opening /4) • M (motor response /6) • V (verbal response /5) • Severe < (less or equal to) 8 • Moderate 9 -12 • Mild > (more or equal to) 13
Post Traumatic Amnesia (PTA)	 "Transient stage of memory disruption and confusion in the early stages of recovery" State of confusion that can follow TBI → Last from months to Hours (length is a prognostic indicator) Galveston Orientation and Amnesia Test (GOAT; Levin et al., 1979); taken every day to monitor improvement (repeated over and over) Possible patient behaviours: Disoriented Slow processing Anterograde (new memories) and Retrograde (old) Distractibility/poor concentration Lack of insight Aggression
	PTA Communication may be: