

**Question:** The CHIA case mix data contains data from all of the acute care hospitals in Massachusetts. Do both the CHIA case mix data and MA APCD contain data from all of the trauma centers verified by the American College of Surgeons?

**TRAUMA CENTERS**

**Answer:** Both the case mix data and MA APCD contain data from all Massachusetts trauma centers verified by the American College of Surgeons (ACS), **see Table 1 below**. However, the MA APCD contains data from trauma centers that extend beyond the Massachusetts political boundaries, **see Figure 1 below**. An initial release of the MA APCD was used by MDPH commercial health plan beneficiaries seeking trauma care over a 2-year period for 229,557 episodes of care needed by 91,477 MA residents analyzed for out of state inpatient trauma care seeking patterns. Investigators found that MA residents receiving care out of state constituted 9% of the patient sample with 50% of care provided in New England (NE) states bordering MA in order of the following MA patient volume ranking: RI, NH, CT, NY, ME, and VT. NE patients had increased odds of care destination through referral. Florida and Texas rank as the highest volume non-NE region sites of care. Clinically, NE patients had a higher rate of care sought for open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage, with loss of consciousness of unspecified duration than non-MA care seekers outside of the NE region.

**Table 1. Massachusetts ACS Verified Trauma Centers (as of 5/25/2021)**

Trauma Center	Adult Level	Pediatric Level
Massachusetts General Hospital	I	I
Tufts Medical Center	I	I
UMASS Memorial Medical Center	I	I
Boston Children's Hospital		I
Baystate Medical Center	I	II
Boston Medical Center	I	II
Brigham and Women's Hospital	I	
Lahey Hospital and Medical Center	I	
Beth Israel Deaconess Medical Center	I	
South Shore Hospital	II	
Anna Jaques Hospital	III	
Berkshire Medical Center	III	
Beverly Hospital	III	
Lawrence General Hospital	III	
Lowell General Hospital	III	
North Shore Medical Center Salem Hospital	III	
Steward Good Samaritan Medical Center	III	

**Figure 1. Trauma Centers in the MA APCD extend beyond MA boundaries\***

