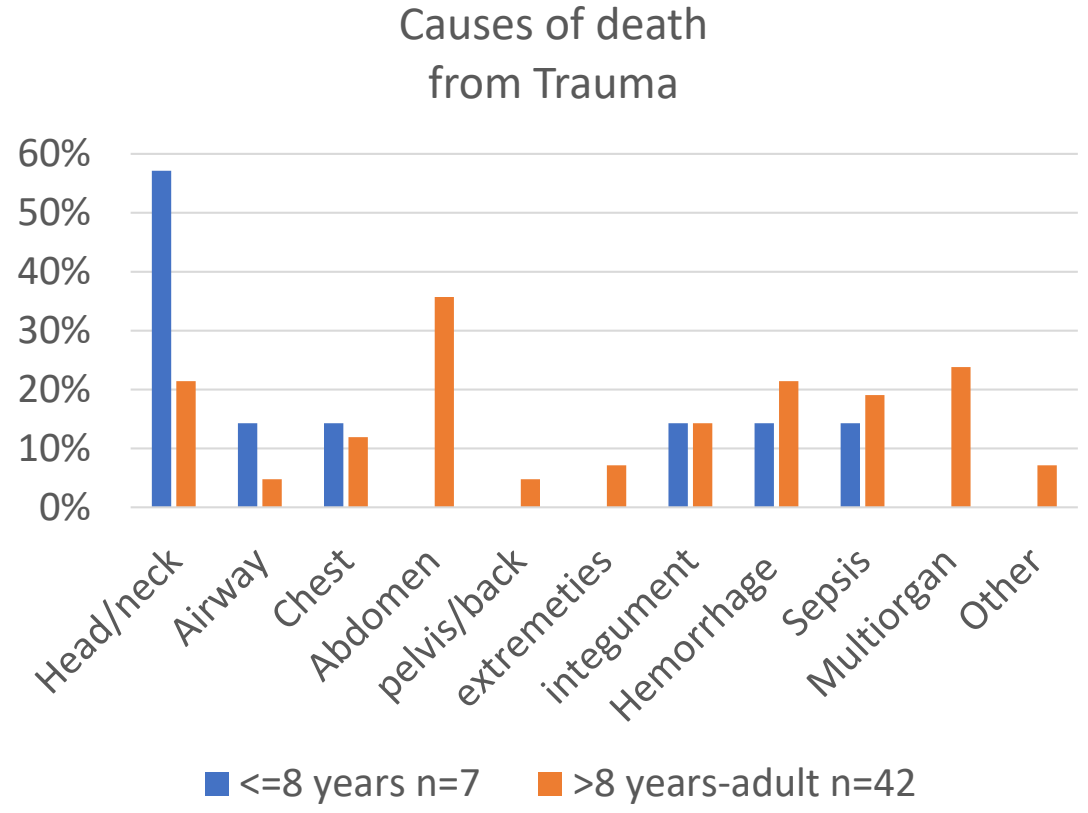
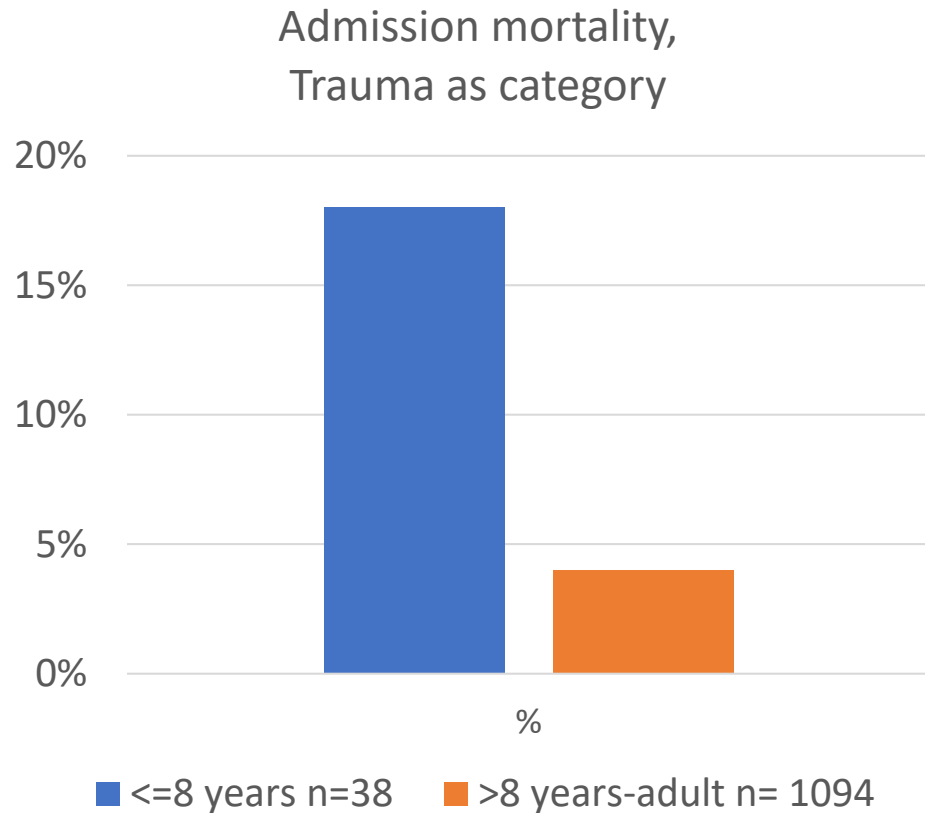


War injuries in children

Tom Adamkiewicz MD

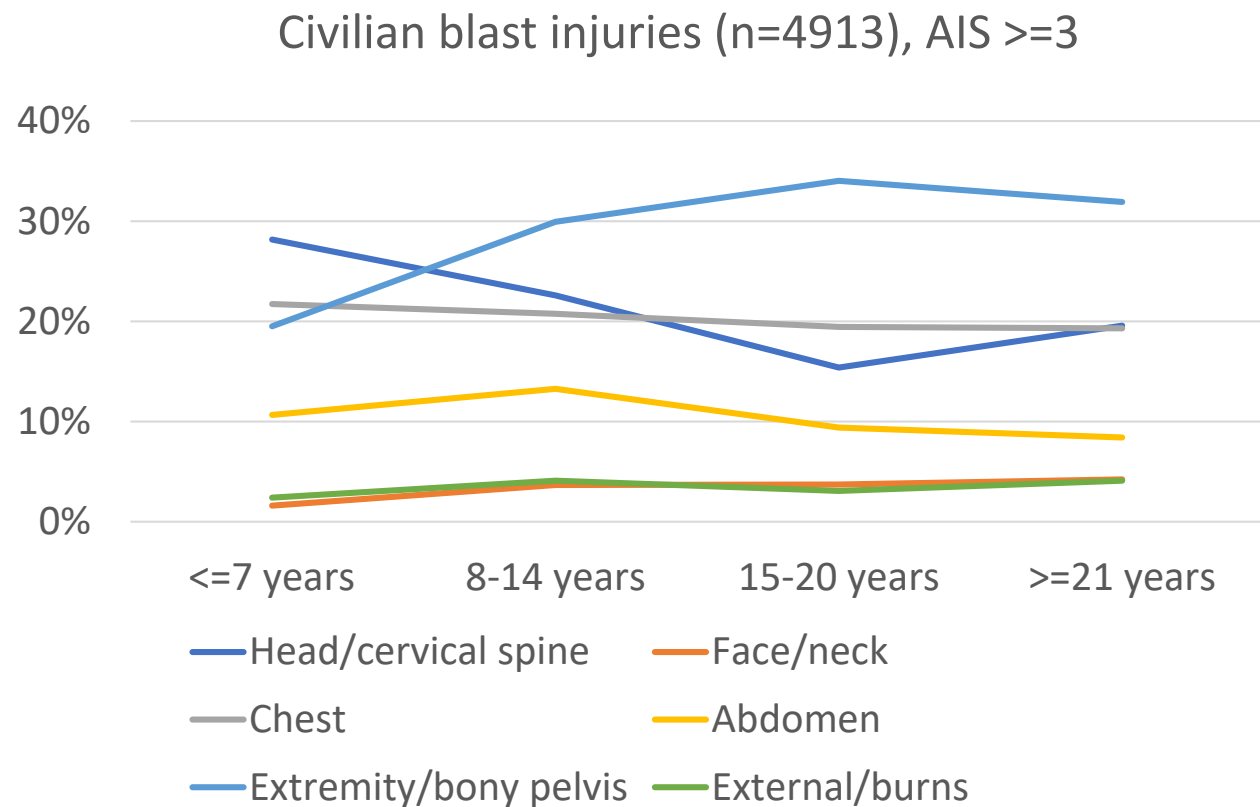
Atlanta, GA

Baghdad, Iraq US 31st CSH, all civilian admissions, retrospective, 2003 to 2004,



Matos RI, Holcomb JB, Callahan C, Spinella PC. Increased mortality rates of young children with traumatic injuries at a US army combat support hospital in Baghdad, Iraq, 2004. *Pediatrics* 2008; 122(5): e959–66. 2008 122(5): e959–66.

Iraq: Operation Iraqi Freedom; Afghanistan: Operation Enduring Freedom; Prospective, Role 3 CSH, civilian blast injuries 2002 to 2010



Edwards MJ, Lustik M, Eichelberger MR, Elster E, Azarow K, Coppola C. Blast injury in children: An analysis from Afghanistan and Iraq, 2002–2010. *Journal of Trauma and Acute Care Surgery* 2012; 73 (5):1278–83. 2012

Salerno, Afghanistan, 344th CSH; June 2010 to March 2011; retrospective <18 years at admission, with battle trauma n=25, death n=3 (12%)

Total Injuries	68	
External/soft tissue/open wound	24	35%
Multisystem	12	18%
extremeties/fractures	11	16%
Chest	11	16%
Head/Face/Neck	9	13%
Burn	9	13%
Abdomen	8	12%

Total deaths	3	
Head/neck	1	30%
Chest	1	30%
Abdomen	1	30%

Wilson KL, Schenarts PJ, Bacchetta MD, Rai PR, Nakayama DK. Am Surg 2013; 79 (3):257–60. 2013

Conflict	Injury to children	n	n/year	n/100,000/year*
Syria 11/17/13 to 6/30/18	Grave violations	12537	2711	51.7
	Casualties	7339	1587	30.3
	total killed	3891	841	16.1
	air strikes casualties	4463	965	18.4
	air strikes killed **	2706	585	11.2
Yemen 4/1/13 to 12/31/18	Grave violations	11779	2045	17.9
	Casualties	6672	1158	10.2
	total killed	2776	482	4.2
	air strikes casualties	2820	489	4.3
	air strikes killed	1710	297	2.6
*: 2018 0-14 yo estimate; **: estimate based on Yemen lethal casualty rate				

