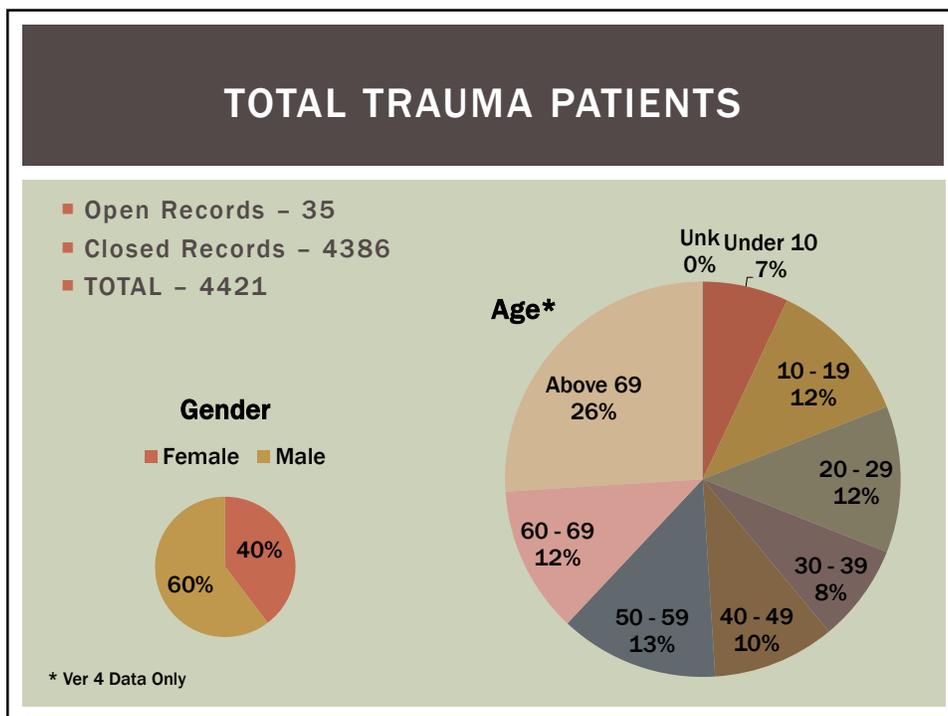
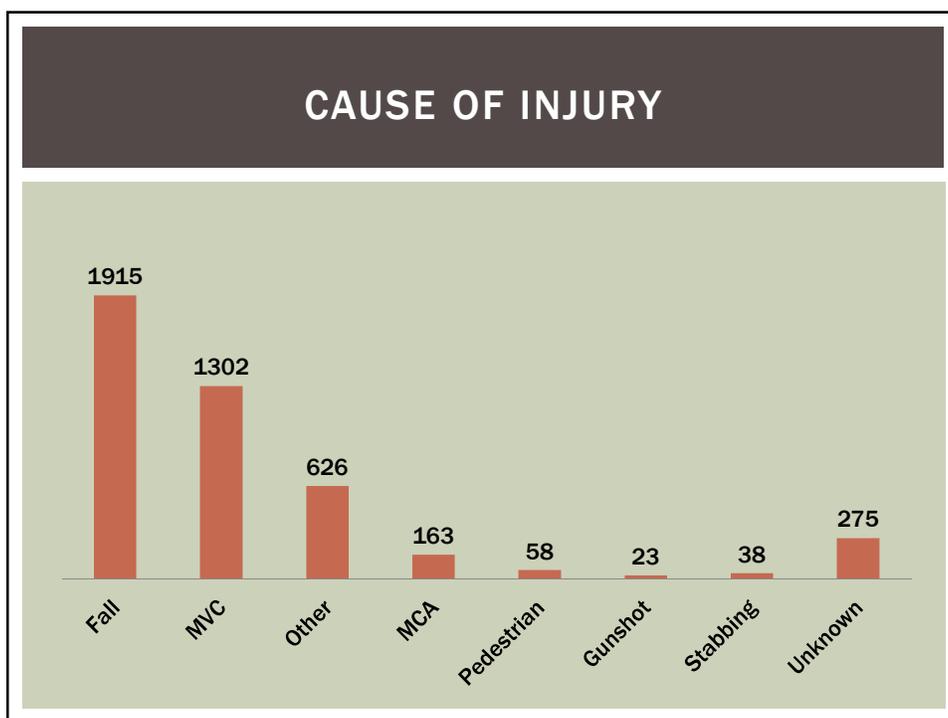
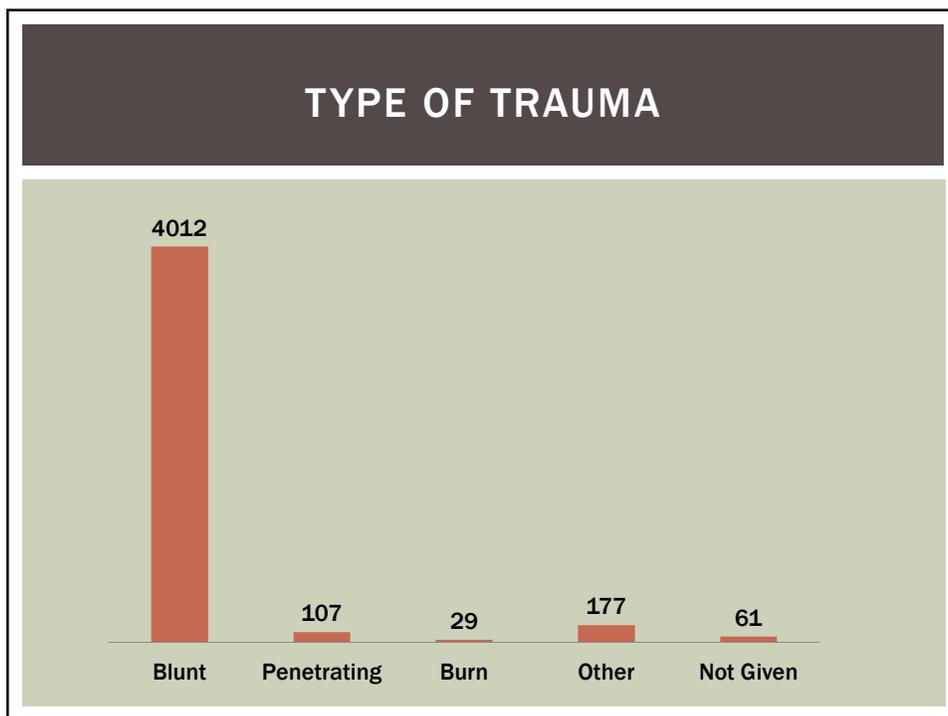
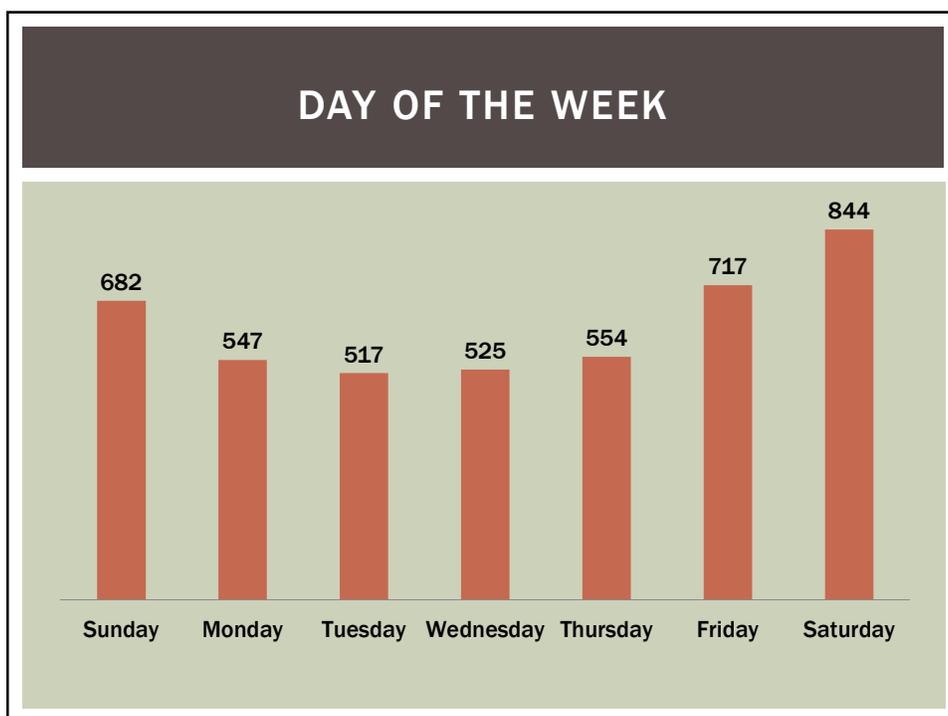
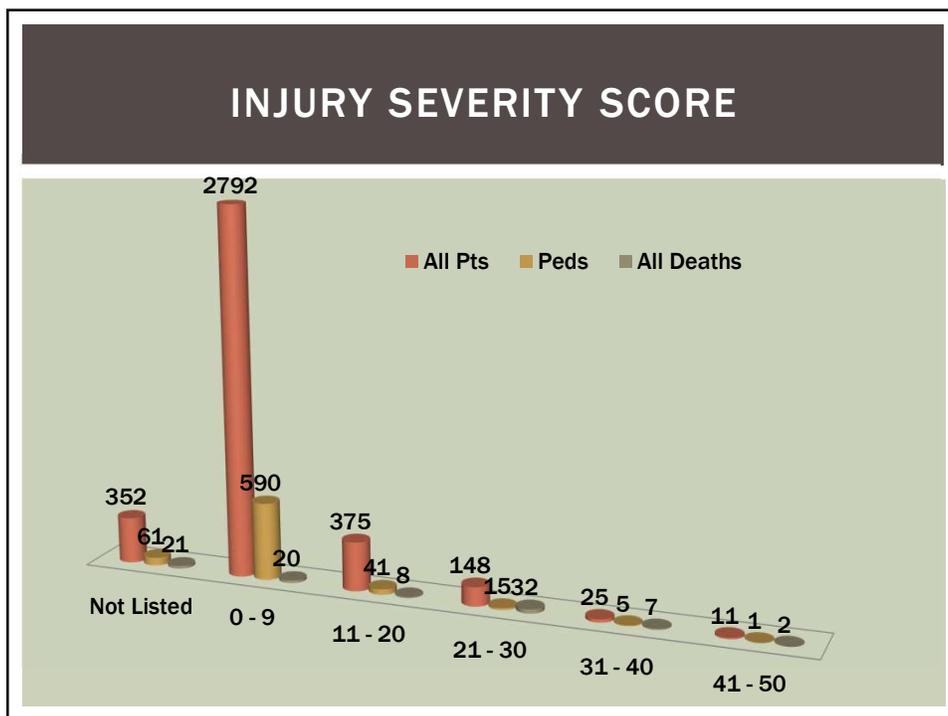


# NCRTAC TRAUMA REGISTRY DATA REVIEW 2015

Data as of  
7/12/16



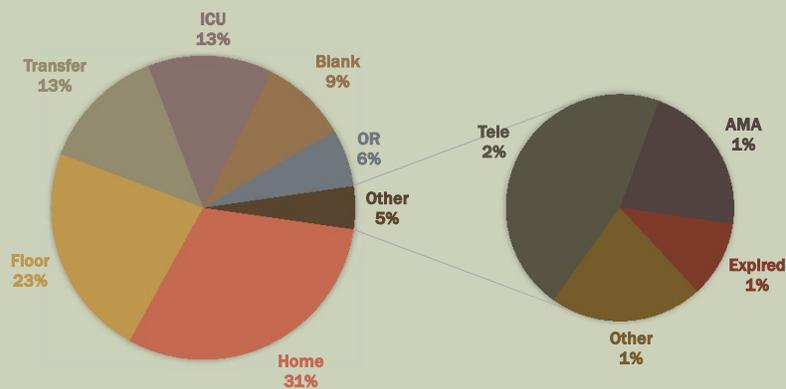




### ARRIVAL IN ED BY HOUR\*

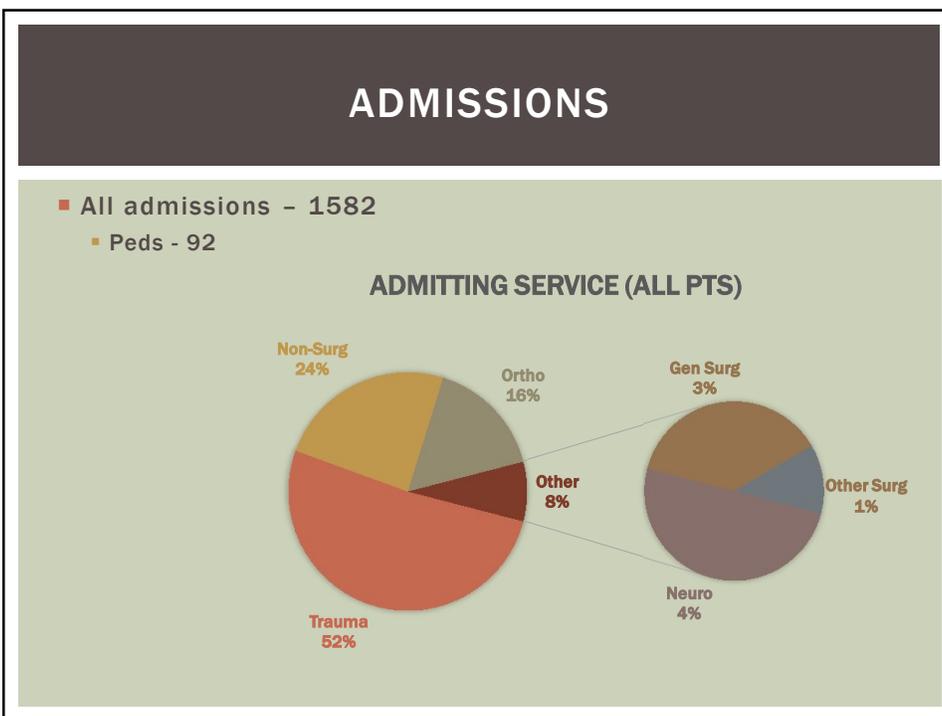


### ED DISPOSITION



### LENGTH OF STAY

Days	All Admissions	ICU
None	1800	2316
1	601	55
2	287	203
3	246	105
4	181	56
5	128	28
6	104	23
7	68	15
8+	259	90
Missing	29	812

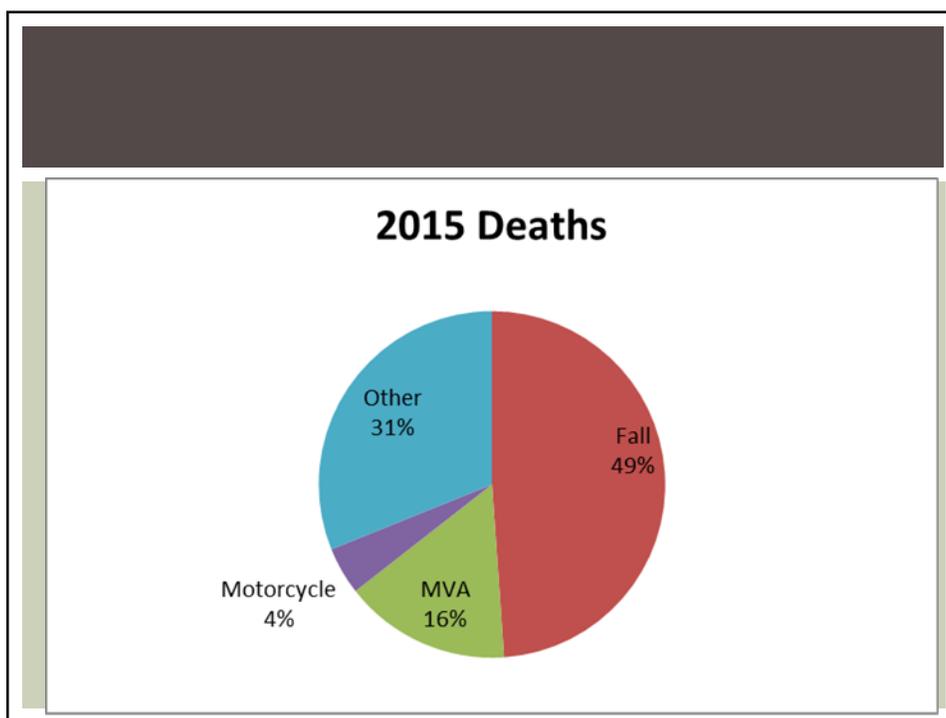


## OTHER

- Deaths - 121/4385 (2.76%)
  - Death w/in 24 hours - 38.8%
  
- \*Organ Donation
  - Yes - 14%
  - No - 18%
  - Blank or Unk - 68%
  
- \*Burn injuries - 29
  - Transferred - 0
  
- \*Spinal Cord Inj - 51

## OTHER - EMS

- EMS scene time > 20 minutes
  - Excluded cases where extrication was documented (138)
  - All cases - 700/2016 (33.2%)
    - 29 deaths (4.1%)



### DEATHS

Age Range	Count
<18	2 (2%)
18-64	35 (39%)
>=65	53 (59%)

13% had confirmed alcohol levels  
10/14 had no protective devices

## ALCOHOL

- 275/3658 (7%) had alcohol levels >0.08
- Most common MOI:
  - Fall 31%
  - MVA 30%
  - ATV 9%
  - Assault 8%
  - Snowmobile 4%

## TRANSFERS

- 15% patients transferred to a higher level of care
- 42% had LOS >3 hours
  - MOI: 32% falls, 9% MVA, 9% ATV/Snowmobile

## TRANSFERS WITH ISS >15

- 15% of all transfers out
- MOI: 30% falls

## TRANSFERS WITH ISS >15 W/ ED LOS >3 HOURS

- 38% had a LOS of >3 hours
  - 53% age >65
  - 33% age 18-64
  - 20% age <18
- MOI
  - 47% Falls
  - 40% MVA
  - 6% Motorcycle, 6% Snowmobile
- **23% resulted in death (all were fall MOI)**

## TRANSFERS WITH ISS >15 W/ ED LOS >3 HOURS

- Falls
  - All had AIS >=3 HEAD

## REGISTRY OPPORTUNITIES

- ICD 10 missing Oct-Dec 2015
  - E code
- Coding-ISS blank, 110 (3%) without AIS codes, accurate injury codes?
- Trauma team activation-880 (24%) unknown or blank
- MOI-123 blank

## SUMMARY

- Falls are the #1 cause of injury
- Our region and country struggles to recognize injured elderly patients with severe injuries
- High incidence of ATV, snowmobile injuries
- Registry education needed to improve data quality