



Behavioral Health Services at a Level One Trauma Center: A Pro-Active Comprehensive Model of Care

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University Medical Center, New Orleans: “Trauma Recovery Team”

BACKGROUND

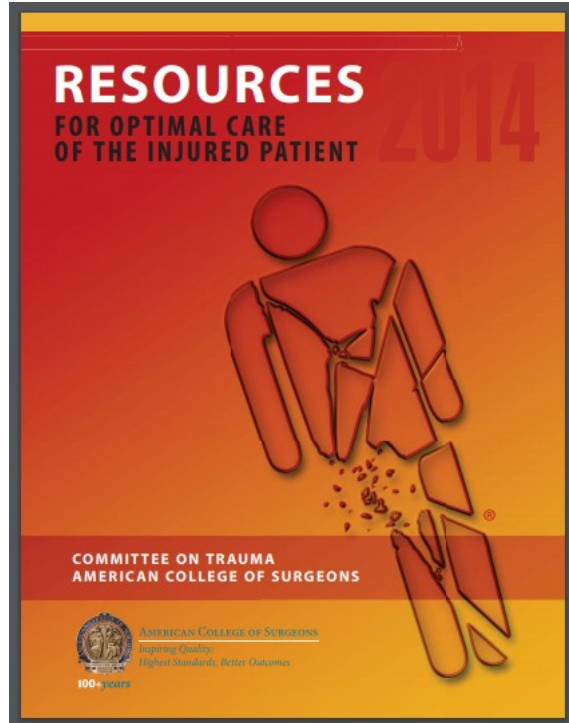
New Orleans Trauma

- New Orleans had the highest per capita homicide rate in the United States of 46.9 deaths per capita from 2010-2015 (FBI, 2015).
 - In 2016, violent crime increased 4.1% nationwide (USDOJ, 2016).
- UMCNO admits roughly 3,000 trauma patients per year
 - In 2018, there were 2,837 Trauma Activations. 718 (25%) of these were assaults. 430 (15%) GSW Assaults and 288 (10%) due to other Assaults, (i.e. Fighting, Stabbing, etc).
 - 1,454 Trauma Activations (51%) were due to Motor Vehicle Crashes. This includes Motorcycle, Bicycle, and Pedestrians.

UMCNO Trauma Activations

- Traumatically injured patients admitted to UMCNO have complex comorbidities (Conrad et al., 2013):
 - PTSD (52%)
 - Depression (44%)
 - Problematic alcohol use (20%)
 - Potential for violence (48%) or re-victimization (60%)

Trauma Centers are Required to Address Behavioral Health Needs



- The incorporation of routine trauma center–based screening and intervention for PTSD and depression is an area that could benefit from the ongoing integration of emerging data and evolving expert opinion.
- A plan to evaluate, support, and treat PTSD should be considered in any comprehensive rehabilitation program for injured patients.

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STRUCTURE

Trauma Recovery Team

- Consultation Psychiatry Service
- Consultation Psychology Service
- Consultation Social Work Service
- Training programs
- Other support services

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CLINICAL CARE

Trauma Recovery Team Inpatient Clinical Care

- Proactive screening and assessment of depression, acute stress disorder, substance use disorder and violence potential in patients admitted to Trauma Surgery Services
 - Psychology, Social Work, Psychiatry residents, Psychology interns
- Education and normalization of common reactions to trauma, brief intervention and motivational interviewing for substance use and risk factors for victimization
- Individual and family therapy
- Referral to Psychiatry Consultation Service and outpatient Trauma Recovery Clinic as appropriate

UMC Trauma Recovery Clinic

- Opened March 2017
- Hospital-based behavioral health outpatient clinic specializing in the treatment of psychologic sequelae following traumatic injury
- Imbedded within Trauma Surgery Clinic
- Psychotherapy, psychopharmacological and social work services available to trauma patients and their loved ones ages 13 and up

Can PTSD be Prevented?

- Early psychological and behavioral interventions for PTSD have yielded mixed results
- Little support for specific pharmacologic interventions to date
- Stepped collaborative care with multi-modal interventions to address a variety of complexities in patients seems more likely to be of benefit as opposed to a single intervention

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RESEARCH

Research opportunities abound

- Many projects underway
- Psychologic and pharmacologic interventions, PTSD research, systems of care research
- Majority of clinical contact can double as data collection
- Trauma surgery knows that all their patients are our potential research subjects

Research - completed projects

- Conrad EJ, Hansel TC, Pejic NG, Constans J. Assessment of Psychiatric Symptoms at a Level 1 Trauma Center Surgery Follow-up Clinic: A Preliminary Report. *The American Surgeon* 2013; 79(5): 492-4
- Nanney JT, Conrad EJ, McCloskey M, Constans J. Criminal Behavior and Repeat Violent Trauma: A Case-Control Study. *American Journal of Preventive Medicine* 2015; 49(3):395–401
- Nanney, J. T., Conrad, E. J., Reuther, E. T., Wamser-Nanney, R. A., McCloskey, M., & Constans, J. I. Motivational interviewing for victims of armed community violence: A nonexperimental pilot feasibility study. *Psychology of Violence* 2018; 8(2), 259-268.
- Wamser-Nanney R, Nanney JT, Conrad E, Constans JI. Childhood Trauma Exposure and Gun Violence Risk Factors among Victims of Gun Violence. *Psychological Trauma: Theory, Research, Practice, and Policy* 2019; 11(1), 99-106.

Research - current projects

- A Policy Relevant US Trauma Care System Pragmatic Trial for PTSD and Comorbidity (UH2 AT008503-01; D. Zatzick PI)
- Virtual Reality Exposure Therapy for Post-Traumatic Stress Disorder in Civilian Gunshot Victims: A Design and Feasibility Trial (Louisiana Biomedical Collaborative Research Program)
- Trauma Recovery Clinic: An Integrated Approach to Treating the Traumatically Injured (Baptist Community Ministries Grant)
- Trauma Recovery Clinic: An Integrated Approach to Treating the Traumatically Injured: Inflammatory Reductions in Psychiatric Treatment of PTSD (Spirit of Charity Foundation Grant)
- UMCNO Burn Center Behavioral Health Clinic: A Stepped Care Collaborative Model

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EDUCATION

Numerous learners involved

- LSU Consultation-Liaison Fellowship Program
- LSU Psychiatry Residency Training Program
- LSU Psychology Internship and Post-docs
- LSU School of Medicine
- LSU School of Nursing
- Xavier School of Pharmacy
- Loyola School of Social Work

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COMMUNITY OUTREACH

Community outreach via Trauma Recovery Clinic

- Youth Empowerment Project, Metropolitan Human Services District, LSU Behavioral Sciences Center, Odyssey House, Family Services of Greater New Orleans, City of New Orleans Behavioral Health council, NOLA for Life and Anchor Collaborative initiatives.
- TSN Trauma Survivor Group Meetings

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