

## Maryalice Nocera

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### Education

University of Michigan, Ann Arbor, MI	MS	1982	Parent-Child Nursing
Duquesne University, Pittsburgh, PA	BS	1975	Nursing

### Experience

11/01/2011-present                      Project Director University of North Carolina Injury Prevention  
Research Center, Chapel Hill, NC

Oversee all phases of multiple complex, large scale research projects including planning, organizing and implementing the research project.

- Development of research methods
- Development of data collection instruments
- Planning work, developing timelines and monitoring project progress
- Manages project staff including temporary employees, undergraduate students, graduate research assistants, post doctoral fellows. Serve as primary preceptor for student practica and public health fellowships.
- Oversees budgets and expenditures
- Preparing project progress and final reports to funding agencies
- Overseeing liaisons between multi-site collaborators and funding agency contacts
- Manages Institutional Review Board (IRB) submissions/renewals and administrative agreements
- Author/Co-author publications
- Present research findings at professional meetings

12/01/2008-10/31/2011                  Senior Research Program Coordinator  
University of North Carolina Injury Prevention Research Center

Responsible for overall functioning and coordination of multiple research projects. Principal functions included:

- Development of research methods
- Planning work, developing timelines and monitoring project progress
- Hiring, training and supervising project staff, including graduate research assistants
- Assist PI in monitoring budgets and preparing project reports
- Overseeing liaisons between multi-site collaborators and funding agency contacts
- Prepare and maintain IRB documents
- Author/Co-author publications
- Present research findings at professional meetings

11/01/1999-11/30/2008      Project Manager  
University of North Carolina Injury Prevention Research Center  
Responsible for day to day operation of research projects. Core functions included:

- Adhering to timelines and monitoring project progress
- Supervision of project staff, including graduate research assistants
- Assist PI in monitoring budgets and preparing project reports
- Assist PI to prepare and maintain IRB documents
- Contribute to publications

1993-2000                      Registered Nurse, Pediatric Intensive Care Unit  
University of North Carolina Children's Hospital, Chapel Hill, NC

1990-1993                      Research Nurse, Department of Pediatric Critical Care Medicine,  
University of North Carolina, Chapel Hill, NC  
Assisted with several clinical research studies in the Pediatric Critical Care Division.  
Responsibilities included subject recruitment, obtaining consent, maintaining study records,  
data collection and data entry. Co-authored three manuscripts.

1989-1990                      Registered Nurse, Pediatric Intensive Care Unit  
University of North Carolina Children's Hospital Chapel Hill, NC

1985-1989                      Pediatric Clinical Nurse Specialist, Department of Pediatrics,  
Eastern Maine Medical Center, Bangor, ME  
Served as clinical expert for the pediatric division. Applied theories of nursing as well as a skill  
set of advanced knowledge, collaboration, consultation and education to improve care and  
impact delivery outcomes. Taught and supervised the nursing staff on established procedures,  
both clinical and theory, on an on-going basis including follow through with one-on-one  
teaching techniques as needed.

1982-1985                      Director, Staff Development, Children's Hospital and Health  
Center, San Diego, CA  
Responsible for the planning, implementation, direction and evaluation of educational  
programs for nursing staff. Coordinated theoretical and clinical orientation for new nursing  
employees. Provided and coordinated mandatory annual in-services in accordance with State  
and Federal regulations and hospital policy. Maintained all in-service records.

1980-1982                      Registered Nurse, Pediatric Infectious Disease Unit, University of  
Michigan, Ann Arbor, MI

1979-1980                      Registered Nurse, Pediatric Medical Unit, University of California,  
San Francisco, CA

1976-1979                      Registered Nurse, Children's Hospital and Health Center, San  
Diego, CA

1975-1976                      Registered Nurse, Children's Psychiatric Unit, Bergen Pines County  
Hospital, Paramus, NJ



## Completed Research Support

- U49 CE001275 Zolotor (PI) 09/30/07-09/29/13  
*The Period of PURPLE Crying®: Keeping Babies Safe in North Carolina*  
The objective of this project is to test whether a statewide primary preventive intervention, preparing parents of newborns to deal safely and explicitly with infant crying, can reduce hospital admissions and deaths from abusive head trauma (AHT).  
Role: Investigator/Project Director
- G0901 Zolotor (PI) 07/01/09-06/30/12  
Oral Trauma in Infant Victims of Abusive Head Trauma  
The objective of this project is to describe and compare the frequency of oro-pharyngeal injuries among infants under 7 months with abusive head trauma versus non-intentional traumatic brain injury.  
Role: Investigator/Project Director
- R03 OH010058 Casteel (PI) 09/01/11-08/31/13  
Improving Dissemination of a Retail Workplace Violence Prevention Program  
The objectives of this project are to identify barriers to implementation of an evidence-based robbery and violence prevention program among small retail businesses, and to develop approaches to overcome barriers and increase uptake of effective strategies.  
Role: Project Director
- R01 OH008688 Casteel (PI) 09/01/06-08/31/10  
Violence against Home Health and Hospice Workers  
The objective of this project is to understand the interaction of organizational, worker and job characteristics and the external environment that contribute to and protect home health workers from violence, and to identify the most effective prevention strategies.  
Role: Project Manager
- R49 CE000530 Casteel (PI) 09/01/05-09/29/09  
Dissemination Evaluation of an Older Adult Falls Prevention Program  
This project examines the effectiveness of different dissemination strategies in increasing both implementation and adoption of a multifaceted older adult falls prevention program at the community level.  
Role: Project Manager
- R49/CCR402444-18 Keenan (PI) 11/01/99-03/31/06  
Outcomes of Traumatic Brain Injury  
The objective of this project was to examine prospectively the epidemiology and outcomes of traumatic brain injury in children less than 2 years of age in North Carolina.  
Role: Project Manager
- 5R01/OH007934-02 Casteel (PI) 09/01/02-09/30/06  
Evaluation of Workplace Violence Hospital Safety Initiatives in California

The objective of this project was to evaluate the simultaneous effect of the California Occupational Safety and Health Administration "Guidelines for Security and Safety of Health Care and Community Service Workers" and the California Hospital Safety Act (Assembly Bill 508) on hospital security programs and resulting violent events and to identify their potential role in serving as a national model.

Role: Data Manager

R49/CCR402444-18 Runyan CW (PI) 08/01/00-07/31/05

Alcohol and Home Injury Deaths Among Older Adults

The objective of this project was to determine relationship of alcohol to accidental death at home in elderly adults (>65 years) in North Carolina.

Role: Project Manager

01596-05 (Subcontract) Runyan, CW (PI) 08/15/04-08/31/05

Terrorism Surveillance Activity of the Public Health Preparedness and Response Program

The purpose of the project was to assess and develop North Carolina's capacity to respond to physical and psychological injuries resulting from terrorist events.

Role: Project Manager

## Publications

### Peer reviewed publications

1. Miles, M.V., Miranda-Massari, J.R., Dupuis, R.E., Mill, M.R., Zaritsky, A.L., **Nocera, M.**, Lawless, S.T. (1992). Determination of salivary digoxin with a dry strip immunometric assay. *Therapeutic Drug Monitoring*, 14(3), 249-254.
2. French, J.P. & **Nocera, M.** (1994). Drug withdrawal symptoms in children after continuous infusions of fentanyl. *Journal of Pediatric Nursing*, 9(2), 107-113.
3. Kanter, R.K., Edge, W.E., Caldwell, C.R., **Nocera, MA.** & Orr, R.A. (1997). Pediatric mortality probability estimated from pre-ICU severity of illness. *Pediatrics*, 99(1), 59-63.
4. Keenan, H.T., Runyan, D.K., Marshall, S.W., **Nocera, MA.**, Merten, D.F. & Sinal, S.H. (2003). A population-based study of inflicted traumatic brain injury in young children. *JAMA*, 290(5), 621-626. PMID: PMC2366031
5. Keenan, H.T., Marshall, S.W., **Nocera, MA.** & Runyan, D.K. (2004). Increased incidence of inflicted traumatic brain injury after a natural disaster. *American Journal of Preventive Medicine*, 26(3), 189-193.
6. Keenan, H.T., Runyan, D.K., Marshall, S.W., **Nocera, MA.** & Merten, D.F. (2004). A population-based comparison of clinical and outcome characteristics of young children with serious inflicted and noninflicted traumatic brain injury. *Pediatrics* 2004, 114(3), 633-639. PMID: PMC2366031
7. Keenan, H.T., **Nocera, MA.** & Bratton, S.L. (2005). Frequency of intracranial pressure monitoring in infants and young toddlers with traumatic brain injury. *Pediatric Critical Care Medicine*, 6(5), 537-541. PMID: PMC2365507
8. Keenan, H.T., Runyan, D.K. & **Nocera, MA.** (2006). Child outcomes and family characteristics 1 year after severe inflicted or noninflicted traumatic brain injury. *Pediatrics*, 117(2), 317-324. PMID: PMC2367124

9. Keenan, H.T., Runyan, D.K. & **Nocera, MA.** (2006). Longitudinal follow-up of families and young children with traumatic brain injury. *Pediatrics*, 117(4), 1291-1297. PMID: PMC2365741
10. Keenan, H.T., **Nocera, MA.**, Wetherington, C., Hooper, S. & Runyan, D.K. (2007). Neurodevelopmental consequences of early traumatic brain injury in 3 year old children. *Pediatrics*, 119(3), e616-623. PMID: PMC2361427
11. Peek-Asa, C., Casteel, C., Allareddy, V., **Nocera, M.**, Goldmacher, S., O'Hagan, E., Blando, J., Valiante, D., Gillen, M. & Harrison, R. (2007). Workplace violence prevention programs in hospital emergency departments. *Journal of Occupational and Environmental Medicine*, 49(7), 756-763.
12. Williams, J., **Nocera, M.** & Casteel, C. (2008). The effectiveness of disaster training for health care workers: a systematic review. *Annals of Emergency Medicine*, 52(3), 211-222. Epub 2007 Dec 11.
13. Keenan, H.T., **Nocera, M.** & Runyan, D.K. (2008). Race matters in the prosecution of perpetrators of inflicted traumatic brain injury. *Pediatrics*, 121(6), 1174-1180.
14. Casteel, C., Peek-Asa, C., **Nocera, M.**, Smith, J., Goldmacher, S., O'Hagan, E. & Blando, J. (2009). Hospital employee assault rates before and after enactment of the California hospital safety and security act. *Annals of Epidemiology*, 19(2), 125-133.
15. Runyan, D.K., Hennink-Kaminski, H.J., Zolotor, A., Barr, R., Murphy, R., Barr, M., Sullivan, K., Dougall, E.K. & **Nocera, M.** (2009). Designing and testing a shaken baby syndrome prevention program - The Period of *PURPLE* Crying: Keeping Babies Safe in North Carolina. *Social Marketing Quarterly*, 15 (4), 2-24.
16. Wetherington, C.E., Hooper, S.R., Keenan, H.T., **Nocera, M.** & Runyan, D. (2010). Parent ratings of behavioral functioning after traumatic brain injury in very young children. *Journal of Pediatric Psychology*, 35(6), 662-671. Epub 2009 Oct 9. PMID: PMC2902842
17. Shanahan, M., **Nocera, M.**, Zolotor, A., Sellers, C. & Runyan, D. (2011). Education on abusive head trauma in North Carolina hospitals. *Child Abuse Review*, 20(4), 290-297.
18. Zachary, C., Casteel, C., **Nocera, M.** & Runyan, C.W. (2012). Barriers to senior centre implementation of falls prevention programmes. *Injury Prevention*, 18(4), 272-276 Epub 2012 Feb 10.
19. Blando, J.D., O'Hagan, E., Casteel, C., **Nocera, M.** & Peek-Asa, C. (2012). Impact of hospital security programmes and workplace aggression on nurse perceptions of safety. *Journal of Nursing Management*, 21(3), 491-498. Epub 2012 Jul 10.
20. Casteel, C., **Nocera, M.** & Runyan, C.W. (2013). Health promotion and physical activity programs in senior centers. *Activities, Adaptation & Aging*, 37(3), 213-223.
21. Gross, N., Peek-Asa, C., **Nocera, M.** & Casteel, C. (2013). Workplace violence prevention policies in home health and hospice care agencies. *Online Journal of Issues in Nursing*, 18(1), 1.
22. Cabell, A., Casteel, C., Chronister, T., **Nocera, M.**, Vladutiu, C.J. & Peek-Asa, C. (2013). Factors influencing law enforcement decisions to adopt an evidence-based robbery prevention program. *Health Education Research*, 28(6), 1105-1115. Epub 2013 Sep 20
23. Shanahan, M., Fleming, P., **Nocera, M.**, Sullivan, K., Murphy, R. & Zolotor, A. (2014) Process evaluation of a statewide abusive head trauma prevention program. *Evaluation and Program Planning* 47, 18-25. Epub 2014 Jul 16.

24. Breuning, R., Strazza, K., **Nocera, M.**, Peek-Asa, C. & Casteel, C. (2015) How to Engage Small Retail Businesses in Workplace Violence Prevention: Perspectives from Small Businesses and Influential Organizations. *American Journal of Industrial Medicine*, Mar 2 [Epub ahead of print] doi:10.1002/ajim.22436.
25. Breuning, R., Strazza, K., **Nocera, M.**, Peek-Asa, C. & Casteel, C. (2015). Understanding Small Business Engagement in Workplace Violence Prevention Programs. *American Journal of Health Promotion*, Mar 25 [Epub ahead of print]
26. Yau, R., Casteel, C., **Nocera, M.**, Finkbeiner, S. & Peek-Asa, C. (2015) Does employee resistance during a robbery increase the risk of customer injury?" *Journal of Occupational and Environmental Medicine*, 57(4), 417-420.

### **Under Review**

1. **Nocera, M.**, Shanahan, M., Murphy, R., Sullivan, K, Barr, M., Price, J. & Zolotor, A. A Statewide nurse training program for a hospital based infant abusive head trauma prevention program.
2. Vladitiu, C., Casteel, C., **Nocera, M.**, Harrison, R., Kosnik, R, & Peek-Asa, C. Workplace violence prevention and the prevalence of physical assault among home health and hospice workers.
3. Zolotor, A., Runyan, D., Shanahan, M., Durrance, C., **Nocera, M.**, Sullivan, K., Klevens, J., Murphy, R., Barr, M., & Barr, R. Effectiveness of a statewide abusive head trauma prevention program.

### **Professional Presentations**

#### **Papers**

*Process evaluation strategies for a statewide hospital based intervention: The Period of PURPLE Crying.* International Conference on Shaken Baby Syndrome/Abusive Head Trauma, Atlanta, GA, September 2010

*Race matters in sentencing after inflicted TBI.* International Conference on Shaken Baby Syndrome/Abusive Head Trauma, Atlanta, GA, September 2010.

*Workplace violence prevention training and the prevalence of physical assault among home health and hospice workers.* National Conference for Workplace Violence Prevention & Management in Healthcare Settings, Cincinnati, Ohio, May 11, 2012.

*Process Evaluation and Recall of Crying and Shaking Education Reinforcement during Sick and Well Baby Visits.* International Conference on Shaken Baby Syndrome/Abusive Head Trauma, Boston, MA, September 2012

*The Period of PURPLE Crying: Keeping Babies Safe in North Carolina: A Statewide Intervention.* ISPCAN International Congress on Child Abuse and Neglect, Istanbul, Turkey, September, 2012

## **Posters**

*Barriers to Implementation of falls prevention programs at senior centers.* 135<sup>th</sup> APHA Annual Meeting, Washington DC, November 2007.

*Shaken Baby Syndrome prevention education in North Carolina hospitals.* 137<sup>th</sup> APHA Annual Meeting, Philadelphia, PA, November 2009.

*Shaken Baby Syndrome prevention education in North Carolina hospitals.* International Conference on Shaken Baby Syndrome/Abusive Head Trauma, Atlanta, GA, September 2010.

*Workplace violence prevention training and the prevalence of physical assault among home health and hospice workers.* 140<sup>th</sup> APHA Annual Meeting, Washington DC, November 2012.

*Hospital staff evaluation of a shaken baby syndrome prevention training program.* International Conference on Shaken Baby Syndrome/Abusive Head Trauma, Boston, MA, September 2012.

## **Professional Affiliations**

2012- Society for Advancement of Violence and Injury Research (SAVIR)

2013- SAVIR Membership Committee

2007-2012 American Public Health Association

References available on request