

NORTH CAROLINA SURVEILLANCE QUALITY IMPROVEMENT PUBLICATIONS AND PRESENTATIONS, 2012-2015

This document lists all publications, internal reports, and presentations produced by the Carolina Center for Health Informatics (CCHI) in the University of North Carolina (UNC) Department of Emergency Medicine, in coordination with the UNC Injury Prevention Research Center (UNC IPRC) and North Carolina Division of Public Health (NC DPH) as part of the North Carolina Surveillance Quality Improvement (NC SQI) Project and related activities for the years 2012-2015. This document will be updated annually to reflect the most recent information. This document was last updated in December 2014.

PUBLICATIONS AND MANUSCRIPTS

1. Harmon KJ, Marshall SW, Proescholdbell SK, Naumann RB, Waller AE. Motorcycle Crash-related Emergency Department Visits and Hospitalizations and Traumatic Brain Injuries in North Carolina. *Journal of Head Trauma Rehabilitation* 2014, In Press.
2. Kerr ZY, Harmon KJ, Marshall SW, Proescholdbell SK, Waller AE. The epidemiology of traumatic brain injuries treated in emergency departments in North Carolina, 2010-2011. *North Carolina Medical Journal* 2014, 75 (1): 8-14.
3. Carolina Center for Health Informatics. (November, 2012). Addendum to the Overview and Analysis of NC DETECT Emergency Department Visit Data for Injuries: 2010 North Carolina County Data. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/annual-reports.
4. Carolina Center for Health Informatics. (June, 2012). Overview and Analysis of NC DETECT Emergency Department Data for Injuries: 2010. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/annual-reports.

FACT SHEETS

1. Carolina Center for Health Informatics and the Injury Prevention Research Center (December, 2014). North Carolina emergency department visits with a diagnosis of diabetes mellitus, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
2. Carolina Center for Health Informatics and the Injury Prevention Research Center (November, 2014). North Carolina emergency department visits with a diagnosis of an allergic reaction, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.

3. Carolina Center for Health Informatics and the Injury Prevention Research Center (November, 2014). North Carolina emergency department visits for pedestrian injuries, 2010-2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
4. Carolina Center for Health Informatics and the Injury Prevention Research Center (November, 2014). North Carolina emergency department visits for injuries related to the use of trampolines, 2011-2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
5. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2014). North Carolina emergency department visits among school-age girls, 5-18 years of age, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
6. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2014). North Carolina emergency department visits among school-age boys, 5-18 years of age, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
7. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2014). North Carolina asthma-related emergency department visits among school-age children, 5-18 years of age, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
8. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2014). North Carolina emergency department visits among school-age children, 5-18 years of age, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
9. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2014). North Carolina emergency department visits for snake and lizard bites. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
10. Carolina Center for Health Informatics and the Injury Prevention Research Center (July, 2014). North Carolina emergency department visits for recreational water-related injuries. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.

11. Carolina Center for Health Informatics and the Injury Prevention Research Center (June, 2014). North Carolina emergency department visits for injuries due to fireworks. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
12. Carolina Center for Health Informatics and the Injury Prevention Research Center (June, 2014). North Carolina emergency department visits for traffic-related motorcycle crashes. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
13. Carolina Center for Health Informatics and the Injury Prevention Research Center (May, 2014). North Carolina emergency department visits for injuries due to medication or drug overdoses. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
14. Carolina Center for Health Informatics and the Injury Prevention Research Center (May, 2014). North Carolina emergency department visits for injuries due to poisonings. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
15. Carolina Center for Health Informatics and the Injury Prevention Research Center (May, 2014). North Carolina emergency department visits for motor vehicle traffic crashes. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
16. Carolina Center for Health Informatics and the Injury Prevention Research Center (April, 2014). North Carolina emergency department visits for self-harm. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
17. Carolina Center for Health Informatics and the Injury Prevention Research Center (March, 2014). North Carolina emergency department visits for injuries due to falls among children \leq 14 years of age. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
18. Carolina Center for Health Informatics and the Injury Prevention Research Center (March, 2014). North Carolina emergency department visits for injuries due to falls among adults \geq 45 years of age. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.

19. Carolina Center for Health Informatics and the Injury Prevention Research Center (March, 2014). North Carolina emergency department visits for injuries due to falls. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
20. Carolina Center for Health Informatics and the Injury Prevention Research Center (February, 2014). North Carolina emergency department visits for assault. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
21. North Carolina Division of Public Health, Carolina Center for Health Informatics, and the Injury Prevention Research Center (January, 2014). What are E-codes and why are they important? North Carolina Division of Public Health, North Carolina Department of Health and Human Services; Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill; and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
22. Carolina Center for Health Informatics and the Injury Prevention Research Center (September, 2013). Animal bite injuries in North Carolina emergency departments, 2008-2010. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
23. Carolina Center for Health Informatics and the Injury Prevention Research Center (October, 2013). Traumatic brain injuries in North Carolina emergency departments, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.
24. Carolina Center for Health Informatics and the Injury Prevention Research Center (April, 2013). Traumatic brain injuries in North Carolina emergency departments, 2010. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/fact-sheets.

QUARTERLY REPORTS

1. Barnett C, Harmon KJ, Waller AE. (December, 2014). First Quarter Report 2014/2015, August 1 – October 31, 2014. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
2. Barnett C, Harmon KJ, Waller AE. (September, 2014). Fourth Quarter Report 2013/2014, May 1 – July 31, 2014. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.

3. Barnett C, Harmon KJ, Waller AE. (May, 2014). Third Quarter Report 2013/2014, February 1 – April 30, 2014. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
4. Barnett C, Harmon KJ, Waller AE. (March, 2014). Second Quarter Report 2013/2014, November 1, 2013 – January 31, 2014. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
5. Barnett C, Harmon KJ, Waller AE. (December, 2013). First Quarter Report 2013/2014, August 1 – October 31, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
6. Barnett C, Harmon KJ, Waller AE. (September, 2013). Fourth Quarter Report 2012/2013, May 1 – July 31, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
7. Barnett C, Harmon KJ, Waller AE. (June, 2013). Third Quarter Report 2012/2013, February 1 – April 30, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
8. Barnett C, Harmon KJ, Waller AE. (March, 2013). Second Quarter Report 2012/2013, November 1, 2012 – January 31, 2013. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
9. Barnett C, Harmon KJ, Waller AE. (December, 2012). First Quarter Report 2012/2013, August 1 – October 31, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
10. Barnett C, Harmon KJ, Waller AE. (August, 2012). Second Quarter Report 2011/2012, June 1 – July 31, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
11. Barnett C, Harmon KJ, Waller AE. (June, 2012). First Quarter Report 2011/2012, February 1 – May 31, 2012. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.

OTHER REPORTS

1. Barnett C, Harmon KJ, Marshall SW, Reardon JM, Waller AE. (July, 2014). Opioid overdoses in North Carolina emergency departments. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/other-reports-using-nc-detect-data.

2. Barnett C, Harmon KJ, Marshall SW, Reardon JM, Waller AE. (July, 2014). Barriers to accurate and complete external cause of injury coding – A review of interviews with medical coders. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/other-reports-using-nc-detect-data.
3. Harmon KJ, Ising A, Waller AE. (February, 2014). ICD-9-CM case definitions for poisonings – NC DETECT emergency department data. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/data-reports/case-definitions.
4. Barnett C, Harmon KJ, Marshall SW, Waller AE. (October, 2013). A Report on the Completeness and Validity of External Cause of Injury Coding in North Carolina Emergency Departments as Relates to Diagnosed Injuries – 2012 Update. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
5. Harmon KJ, Proescholdbell SK, Waller AE, Barnett C. (February, 2013). A Response to the Safe States Alliance Injury Surveillance Workgroup (ISW)-7 ICD-9-CM Poisoning Matrix. North Carolina Division of Public Health, North Carolina Department of Health and Human Services; Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill; and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: www.ncdetect.org/publications/2013.
6. Barnett C, Harmon KJ, Marshall SW, Waller AE. (October, 2012). North Carolina Hospital Discharge Data External Cause of Injury (E-code) and Injury Diagnosis Code Data Quality Report. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.
7. Barnett C, Harmon KJ, Marshall SW, Waller AE. (June, 2012). A Report on the Completeness and Validity of External Cause of Injury Coding in North Carolina Emergency Departments as Relates to Diagnosed Injuries. Carolina Center for Health Informatics, Department of Emergency Medicine, University of North Carolina at Chapel Hill, and the Injury Prevention Research Center, University of North Carolina at Chapel Hill.

ORAL PRESENTATIONS AND POSTERS

1. Ising A, Harmon KJ, Waller AE, Proescholdbell SK, Deyneka L. (December, 2014). Using NC DETECT for comprehensive morbidity surveillance on poisoning and overdose (poster). 2014 International Society of Disease Surveillance (ISDS) Annual Conference, Philadelphia, PA.
2. Waller AE, Ising A, Harmon KJ, Marshall SW, Proescholdbell SK. (November 2014). Using syndromic surveillance data for injury surveillance and research: The NC DETECT experience (oral presentation). American Public Health Association (APHA) Annual Conference, New Orleans, LA.
3. Proescholdbell SK, Waller AE. (October, 2014). North Carolina Surveillance Quality Improvement Project: Year III update continued (oral presentation). Epidemiology Section, North Carolina Division of Public Health. Raleigh, NC.

4. Proescholdbell SK, Waller AE. (October, 2014). North Carolina Surveillance Quality Improvement Project: Year III update (oral presentation). Epidemiology Section, North Carolina Division of Public Health. Raleigh, NC.
5. Proescholdbell SK and Dellapenna A. (September, 2014). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Duke Trauma Staff. Durham, NC.
6. Ising A, Harmon KJ, and Waller AE. (May, 2014). Track overdose and unintentional poisoning in our Counties Using NC DETECT (webinar). NC DETECT, NC Division of Public Health; Community Care of North Carolina; and the Injury Prevention Research Center, University of North Carolina at Chapel Hill. Available at: <https://vimeo.com/ccnc/review/95971448/c5f800ac3c>.
7. Proescholdbell SK (March, 2014). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Duke Regional Advisory Committee (Duke RAC). Durham, NC.
8. Proescholdbell SK and Dellapenna A. (February, 2014). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Metro Carolina Trauma Center Regional Advisory Council (Metrolina RAC). Charlotte, NC.
9. Proescholdbell SK. (February, 2014). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Eastern North Carolina Trauma Center Regional Advisory Council (Eastern RAC). Greenville, NC.
10. Proescholdbell SK, Waller AE. (January, 2014). North Carolina Surveillance Quality Improvement Project: Year II update (oral presentation). Epidemiology Section, North Carolina Division of Public Health. Raleigh, NC.
11. Marshall SW. (January, 2014). Prescription Drug Issues in North Carolina: Overview and Surveillance (oral presentation). 2014 North Carolina State Health Director's Conference. Raleigh, NC.
12. Harmon KJ, Proescholdbell SK, Marshall SW, Waller AE. (December, 2013). Utilization of emergency department data for drug overdose surveillance in North Carolina (oral presentation). 2013 International Society of Disease Surveillance (ISDS) Annual Conference, New Orleans, LA. Abstract available at: www.syndromic.org/annual-conference/2013-isds-conference/561-2013-conference-abstracts.
13. Proescholdbell SK and Dellapenna A. (November, 2013). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Duke Trauma Staff. Durham, NC.
14. Proescholdbell SK and Dellapenna A. (October, 2013). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Duke Trauma Center Regional Advisory Council (DukeRAC). Durham, NC.
15. Proescholdbell SK and Dellapenna A. (August, 2013). Injury and violence in North Carolina: Overview and surveillance (oral presentation). Triad Trauma Center Regional Advisory Council (TriadRAC). Winston Salem, NC.
16. Barnett C, Harmon KJ, Waller AE. (June, 2013). Improving coded cause of injury data in North Carolina through collaborations with contributing hospitals (poster). 2013 National Meeting of the Safe States Alliance and the Society for the Advancement of Violence and Injury Research (SAVIR), Baltimore, MD.

17. Kerr ZY, Harmon KJ, Marshall SW, Proescholdbell SK, Dellapenna AJ, Waller AE. (June, 2013). The epidemiology of traumatic brain injuries (TBIs) reporting to emergency departments (EDs) in North Carolina – 2010-2011 (poster). 2013 National Meeting of the Safe States Alliance and the Society for the Advancement of Violence and Injury Research (SAVIR), Baltimore, MD.
18. Harmon KJ, Proescholdbell SK, Barnett C, Ising A, Marshall SW, Waller AE. (June, 2013). Improving poisoning surveillance in North Carolina using emergency department data: A comparison of three poisoning case definitions (oral presentation). 2013 National Meeting of the Safe States Alliance and the Society for the Advancement of Violence and Injury Research (SAVIR), Baltimore, MD. Available at: www.safestates.org/?2013Presentations.
19. Harmon KJ, Proescholdbell SK, Barnett C, Ising A, Marshall SW, Waller AE. (June, 2013). Improving poisoning surveillance in North Carolina using emergency department data: A comparison of three poisoning definitions (oral presentation). 2013 Council of State and Territorial Epidemiologists (CSTE) Annual Conference, Pasadena, CA.
20. Harmon KJ, Barnett C, Proescholdbell S, Dellapenna A, Marshall S, Waller AE. (May 2013) The North Carolina Surveillance Improvement Project: Improving injury surveillance in the state. Mid Carolina RAC, Alamance Regional Medical Center, Burlington, NC.
21. Proescholdbell SK. (May, 2013). Injury and Violence in North Carolina: Overview and Surveillance (oral presentation). Capital Trauma Center Regional Advisory Council (CapRAC). Raleigh, NC.
22. Harmon KJ, Proescholdbell SK, Barnett C, Waller AE, Dellapenna AJ, Marshall SW. (September, 2012). The utilization of emergency department data for drug overdose and poisoning surveillance in North Carolina – An assessment of surveillance data quality (oral presentation). North Carolina Public Health Association (NC PHA) Annual Conference, New Bern, NC.
23. Proescholdbell SK, Harmon KJ, Barnett C, Waller AE, Dellapenna AJ, Marshall SW. (June, 2012). An examination of external cause of injury coding among acute care emergency departments for the purposes of improved data and surveillance in North Carolina (oral presentation). 2012 Council of State and Territorial Epidemiologists (CSTE) Annual Conference, Omaha, NE.
24. Harmon KJ, Barnett C, Proescholdbell SK, Waller AE, Dellapenna AJ, Marshall SW. (May, 2012). The North Carolina Surveillance Quality Improvement Project (year one): An assessment of the completeness of external cause of injury coding among North Carolina acute-care emergency departments (oral presentation). 2012 Joint Annual Meeting of the Safe States Alliance and CDC Core Violence and Injury Prevention Programs (Core VIPP), Atlanta, GA.

