

NC- Specific Sources

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[WNCFPC Summer 2022 Intern]

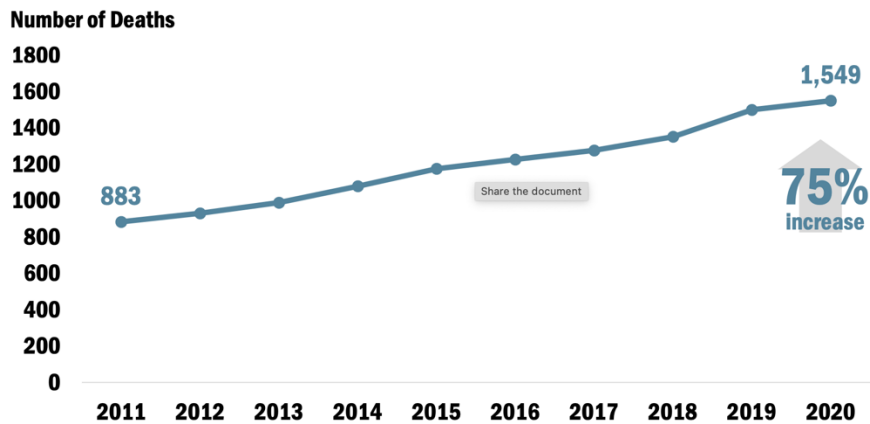
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I. Primary Sources

- 1) North Carolina Provisional Vital Statistics/ NC State Center for Health Statistics, Death Certificate Data, 2011(2016)-2020 <https://schs.dph.ncdhhs.gov/data/vital.cfm>
 - a) Central Content
 - i) North Carolina Vital Statistics, Volume 1: Population, Births, Deaths, Marriages, Divorces (Latest released version: 2019) North Carolina Vital Statistics, Volume 2: Leading Causes of Death (-2019)
 - ii) Basic Automated Birth Yearbook, North Carolina Residents (2020)
 - iii) Detailed Mortality Statistics, North Carolina Residents (2020)
 - iv) North Carolina Reported Pregnancies (2020)
 - v) Infant Mortality Statistics (2020)
 - vi) Child Deaths (2020)
 - vii) Life Expectancy - State & County Estimates (1990-1992/ 2018-2020)
 - b) Related work
 - i) Unintentional fall-related deaths have continued to increase over the last 10 years (NCPHA Presentation on Falls and TBI 3.17.22.pdf)

Unintentional fall-related deaths have continued to increase over the last 10 years



Data limited to NC Residents
Source: NC State Center for Health Statistics, Death Certificate Data, 2011-2020
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

- 2) NCDHHS Injury and Violence Prevention Branch/ Falls Injury Data <https://injuryfreenc.dph.ncdhhs.gov/DataSurveillance/FallsData.htm>
 - a) Central Content:
 - i) Falls Summary Data (e.g. Fall Related Injuries 2016-2019 https://injuryfreenc.dph.ncdhhs.gov/DataSurveillance/Fall_Injuries_2016_2019_Revised.pdf)
 - ii) TBI-Related Fall Injury Data
 - iii) County Unintentional Falls ORION Report

b) Description: (The website) “provides statewide surveillance of fall injuries that result in self-reported injuries, emergency department visits, hospitalizations, and deaths “----- from NCFPC).

3) North Carolina Health Data Query System/ Interactive Health Data/ NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020
<https://schs.dph.ncdhhs.gov/interactive/query/>

a) Central Content

i) Birth Data

ii) Birth Defect Data

iii) Mortality Data (leading causes of death/ detailed mortality statistics)

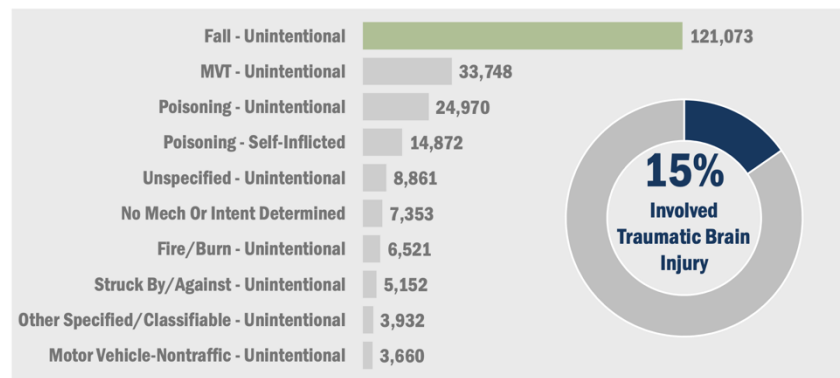
iv) Population estimates(classified by country/ age/ race/ gender..)

<https://schs.dph.ncdhhs.gov/interactive/query/population/nchspop.cfm>

v) Pregnancy Data

b) Related Work: NCPHA Presentation on Falls and TBI 3.17.22.pdf

Unintentional falls were the leading cause of injury hospitalization from 2016-2020.



* by mechanism and intent

Data limited to NC Residents (N=121,073)

Source: NC State Center for Health Statistics, Hospital Discharge Data, 2016-2020

Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

4) NC State Center for Health Statistics and Reports / SCHS Online Publication

<https://schs.dph.ncdhhs.gov/data/>

a) Central Content Sorted by:

i) Recency

ii) Title/Date

iii) Topic (Birth Defects/ Cancer/ County Data/ Health Survey Results/ Minority Health... <https://schs.dph.ncdhhs.gov/data/bytopic.cfm>; Recommended for narrowing down research results)

(1) Frequently accessed dataset - Behavioral Risk Factor Surveillance System (BRFSS): <https://schs.dph.ncdhhs.gov/data/brfss/survey.htm>

(2) Frequently accessed dataset - Statistics and Reports Vital Statistics: <https://schs.dph.ncdhhs.gov/data/vital.cfm>

b) Note: This database is inclusive; **North Carolina Provisional Vital Statistics website is a sublayer with** narrower emphasis on Health of SCHS Online data publication.

5) NC DETECT Data

a) Central Content:

i) **Unintentional Falls Dashboard**

<https://ncdetect.org/unintentional-falls-dashboard/>

ii) Data elements are sent to NC DETECT from emergency departments, EMS, and [North Carolina Poison Control](#). The information on these elements are detailed in the tables provided on the [Data Elements](#) page.

iii) The tables below list data elements available in NC DETECT line listing reports for each data source.

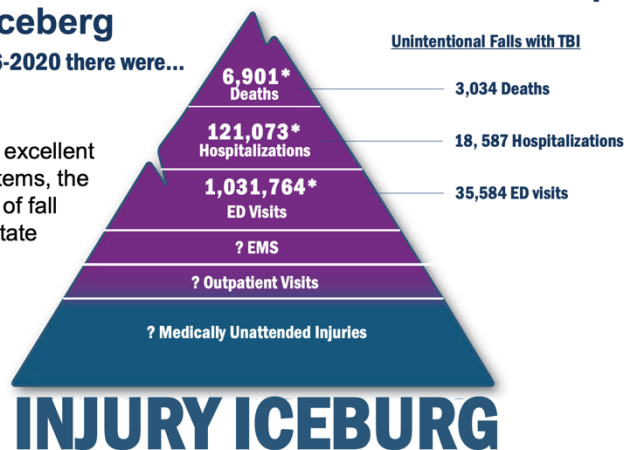
- [Emergency Department Data \(ED\)](#)
- [EMS Data Elements Received from 2018 – Present: NEMSIS V.3 \(EMS Data Source in NC DETECT\)](#)
- [EMS Data Elements Received from 2009 – 2018: NEMSIS V.2 \(PreMIS Data Source in NC DETECT\)](#)
- [North Carolina Poison Control Data Elements \(CPC Data Source in NC DETECT\)](#)

b) Related Work Example

Unintentional fall-related deaths are the tip of the iceberg

Between 2016-2020 there were...

Despite NC's excellent reporting systems, the **total burden** of fall injury in the state is **unknown**.



Data limited to NC Residents
Source: NC State Center for Health Statistics, Death Certificate and Hospital Discharge Data; NC DETECT, Emergency Department Visit Data (2016-2020)
Analysis by the NC-DPH Injury and Violence Prevention Branch, Injury Epidemiology and Surveillance Unit

6) NC Office of State Budget Management <https://schs.dph.ncdhhs.gov/data/>

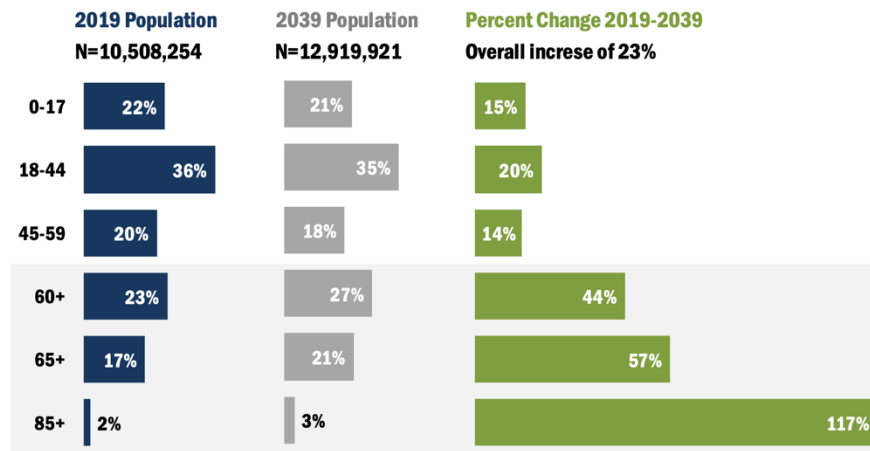
Topics - Facts and Figures: Population & demographics; Economy; Geography; State Data Center; LINC; State Demographer data

a) Central Data/Content

i) North Carolina's Population: Short-term Challenges, Long-term Growth Factors (<https://www.osbm.nc.gov/media/1866/open>)

- ii) Population/ Demographic Report Archive
<https://www.osbm.nc.gov/facts-figures/state-data-center/summary-reports>
 - iii) Population Estimates/ Population Projections
<https://www.osbm.nc.gov/facts-figures/population-demographics>
 - iv) Economy Data/Report Archive
<https://www.osbm.nc.gov/facts-figures/economy>
- b) Related Work/ Exemplary
Usage of this data collection (NCPHA Presentation on Falls and TBI 3.17.22.pdf)

The populations most at risk of falls are projected to have the fastest growth over the next 20 years.



Source: NC Office of State Budget Management, Standard Population Estimates, Vintage 2019 & Population Projection

II. Secondary Sources

- 1) NC DETECT Publication Archive
NC DETECT Emergency Department Visit Data/ NC DETECT, Emergency Department Data, 2016-2020... All publication can be found: <https://ncdetect.org/publications/>
 - a) Central Content/ Example
 - i) Neo DT, Samoff E, Cope A. [Pelvic inflammatory disease trends among emergency department visits in North Carolina, 2008-2017](#). Sexually Transmitted Diseases. 2021 Jul 15.
 - ii) Harmon KJ, Fliss MD, Marshall SW, Peticolas K, Proescholdbell SK, Waller AE. [The impact of the COVID-19 pandemic on the utilization of emergency department services for the treatment of injuries](#). The American Journal of Emergency Medicine. 2021 Sep 1;47:187-91.
 - iii) Fix J, Ising AI, Proescholdbell SK, Falls DM, Wolff CS, Fernandez AR, Waller AE. [Linking emergency medical services and emergency department data to improve overdose surveillance in North Carolina](#). Public Health Reports. 2021 Nov;136(1_suppl):54S-61S.

- 2) North Carolina Falls Prevention Coalition
 - a) Fall Prevention Presentation
<https://ncfallsprevention.org/quarterly-minutes-presentations/>
 - b) Fall Prevention Resources
<https://ncfallsprevention.org/resources/>
 - c) Falls Data Collection Page
<https://ncfallsprevention.org/falls-data/>
 - d) “Nonfatal Unintentional Fall-related” Hospitalizations and Emergency Department Visits case definition established by the Council of State and Territorial Epidemiologists (CSTE) ICD-10-CM Transition Workgroup.
<https://ncfallsprevention.org/wp-content/uploads/2020/01/Falls-by-County-Table-Maps-2018.pdf>
 - e) Regional NC Coalitions (Contact Information)
<https://ncfallsprevention.org/about-us/local-regional-nc-coalitions/>