# North Carolina’s Global Engagement Snapshot - Codebook

**Introduction:** This codebook documents indicators included in North Carolina’s Global Engagement Snapshot data dashboard released on October 11, 2016 and last updated on November 13, 2020. Information presented includes: Strategic Area of Focus; Indicator Name; Description; Variables; Year; Source(s); Data Release Schedule; Modifications; and Notes when applicable. Information on recoding of data for “city to county” and “university to county” is also reported.

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**Update:** November 13, 2020

North Carolina’s Global Engagement Snapshot Data Dashboard:

[www.goglobalnc.org/snapshot](http://www.goglobalnc.org/snapshot)

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For additional references and background information see the *North Carolina Blueprint for Global Engagement 2020* and the *NC Blueprint for Global Engagement 2015* publications, available here:

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1 LEADERSHIP
Develop leadership across all sectors and at all levels that is informed and actively supports global engagement

1.1 Number of leaders involved with the NC Blueprint for Global Engagement
Description: Individuals and leaders directly involved with the development and/or release of the NC Blueprint for Global Engagement (e.g., meeting participants, interviewees)
Variables: Meeting, # Attendees, Definition, Notes
Year: 2015

1.2 Number of endorsers/supporters of the NC Blueprint for Global Engagement
Description: Endorsers and supporters of the NC Blueprint for Global Engagement include Coalition members, planning team members, one-on-one interviewees, and Nov 17, 2015 Summit participants
Variables: Org, # of Individuals, Definition
Year: 2015

1.3 Number of Coalition for Global Competitiveness members
Description: Number of members participating on the Coalition for Global Competitiveness
Year: 2015; 2016

Year: 2017; 2018; 2019; 2020

2 COMMUNICATIONS AND PARTNERSHIPS
Be known around the world as an attractive place to invest, work, study, visit, partner, and live

2.1 N.C. Coalition for Global Competitiveness website visits
Variables: Date, Number (Views, Visitors)
Year: November 2015 – January 2016, reported under 2015
Notes: Reported under Year 2015. Value reported is number of visitors, as opposed to number of views.

Description: Number of unique views on https://goglobalnc.org/global-engagement/ (Snapshot and Blueprint) from October 2016 to June 2017
Year: October 2016 – June 2017, reported under 2016
Notes: Reported under Year 2016. Value reported is number of visitors, as opposed to number of views.
2.2 International Companies with NC Headquarters

Description: Map of international companies with headquarters in North Carolina. Flags represent the address of each headquarters location.

Variables: Corporate Parent Country, City, Company Name, Location

Year: July 2020

Source: Dun and Bradstreet, FDI Markets, Community Investment Report, EDPNC Internal Databases

2.3 Who is Tweeting about "GLOBAL" in North Carolina?

Description: Word cloud of Twitter text relating to locations in North Carolina.

Variables: Text, Count

Year: September 2016 – July 2017


Notes: Twitter text was collected using the following search terms: North Carolina economy, #NC, NC Government, NC International, NC Education, North Carolina Travel, NC Global, North Carolina, NC Research. Tweets regarding pop culture, political races and current events (e.g., extreme weather, political canvassing, and celebrity news) were omitted from the data source.

2.4 Sentiment Score for Tweets about North Carolina’s Global Identity

Description: Display of sentiment analysis of Tweets about North Carolina’s Global Identity.

Variables: Positive, Negative, Trust, Fear, Joy, Sadness, Anger, Surprise, Disgust, Sentiment Score

Year: September 2016 – July 2017


Notes: A sentiment analysis was completed on the Twitter text. The text of each tweet was given an emotional score using the NRC Emotion Association Lexicon. These scores were summed using the following emotions: positive, negative, trust, fear, joy, sadness, anger, surprise, disgust.

2.5 Top Hashtags Used in Twitter Conversations About North Carolina’s Global Identity

Description: Count of popular hashtags used in conversations about North Carolina’s Global Identity

Variables: Hashtags, The counts presented below are ratios that are representative of the total data collected for most frequently used hashtags (#) in tweets about North Carolina’s global presence. Popular online content surrounding North Carolina provides insight to our residents and global colleagues. Top hashtags #Blockchain and #travel demonstrate North Carolina’s various international industries.

Year: September 2016 – July 2017
2.6 Keywords used in Twitter Conversations About North Carolina's Global Identity

**Description:** Count of popular keywords used in conversations about North Carolina's Global Identity

**Variables:** Keywords, Count

**Year:** September 2016 – July 2017


2.7 Top Global North Carolina Influencers

**Description:** Display of top Twitter influencers by frequency of tweet “favorites”

**Variables:** Twitter Screen Name, Twitter Bio, User Description, Count of Tweet Favorites

**Year:** September 2016 – July 2017


2.8 Map of Twitter Users Discussing North Carolina (NC Users)

**Description:** Map of location of Twitter users in North Carolina by frequency

**Variables:** Latitude of Twitter User, Longitude of Twitter User, Count

**Year:** September 2016 – July 2017


2.9 Direct monetary awards to UNC campuses from foreign sponsors

**Variables:** County, FIPS, Campus, Award_No, Dollars_Feed_Date, Sponsor_Name, Category, Country_Code, Country_Name, Country_Name Trimmed, Award_Amount

**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"

**Years:** FY 2014-2015, reported under 2015


**Notes:** Country_Name values of "United Kingdom (No New Registrations)" and "United Kingdom" were assigned to "United Kingdom".

**Years:** FY 2015-2016, reported under 2016; FY 2016-2017, reported under 2017


2.10 Subcontracts from UNC campuses to foreign collaborators

**Variables:** County, FIPS, Campus, Subcontract_No, Execution_Date, Sponsor_Name, Category, Country_Name, Country_Name Trimmed, Amount

**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"

**Years:** FY 2014-2015, reported under 2015


**Years:** FY 2015-2016, reported under 2016; FY 2016-2017, reported under 2017
3 GLOBAL INFRASTRUCTURE AND LOGISTICS

Develop and maintain infrastructure and logistics capabilities to support global opportunities

3.2a K-12 school median total broadband usage (MBPS)

Variables: County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

Modifications: Median values for the calendar year were calculated from monthly averages

Year: 2015 Median

Data Release Schedule: Monthly


Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2016 Median values for the calendar year were calculated from monthly averages

Modifications: Median values for the calendar year were calculated from monthly Total Utilization averages for each county.


Year: 2017 Median

Data Release Schedule: Monthly


Year: 2018 Median

Data Release Schedule: Monthly


Year: 2019 Median

Data Release Schedule: Monthly


Year: 2020 Jan

Data Release Schedule: Monthly

### 3.2b K-12 school median broadband usage per student (KBPS)

**Variables:** County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

**Modifications:** Median values calculated from monthly averages

**Year:** 2015 Median

**Data Release Schedule:** Monthly


**Notes:** “Peak day per-student utilization is the 95th percentile for the busiest single day”

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**Year:** 2016 Median

**Modifications:** Weighted averages were calculated for each month for each county; the median of these values is reported for the calendar year.

**Source:** Jean Davis, North Carolina Research and Education Network. Personal communication, 2017.

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**Year:** 2017 Median

**Data Release Schedule:** Monthly


**Notes:** “Peak day per-student utilization is the 95th percentile for the busiest single day”

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**Year:** 2018 Median

**Data Release Schedule:** Monthly


**Notes:** "Peak day per-student utilization is the 95th percentile for the busiest single day”

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**Year:** 2019 Median

**Data Release Schedule:** Monthly


**Notes:** "Peak day per-student utilization is the 95th percentile for the busiest single day”

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**Year:** 2020 Jan

**Data Release Schedule:** Monthly


### 3.2c K-12 school median broadband usage per student peak day (KBPS)

**Variables:** County, Median Total Usage (MBPS), Median Usage Per Student (KBPS), Median Usage Per Student Peak Day (KBPS)

**Modifications:** Median values calculated from monthly averages

**Year:** 2015 Median

**Data Release Schedule:** Monthly

Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2016 Median
 Modifications: Weighted averages were calculated for each month for each county; the median of these values is reported for the calendar year.

Year: 2017 Median
 Data Release Schedule: Monthly
 Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2018 Median
 Data Release Schedule: Monthly
 Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2019 Median
 Data Release Schedule: Monthly
 Notes: "Peak day per-student utilization is the 95th percentile for the busiest single day"

Year: 2020 Jan
 Data Release Schedule: Monthly

3.3a Value amount of NC exports by county of port

Description: Exports include transport via vessel and air
 Variables: Port Code & Description, County, Annual Total Value (In Millions of U.S. Dollars), Vessel Data, Air Data
 Modifications: City to County recoded using "City To County Recoding AS 2016.06.13"
 Year: 2015
 Data Release Schedule: Monthly
 Notes: "Exports are valued at the free alongside ship (f.a.s) value of merchandise at the U.S. port of export, based on the transaction price including inland freight, insurance and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation." (http://www.census.gov/foreign-trade/reference/guides/tradestatsinfo.html)
3.3b Value amount of NC imports by county of port

**Unique Identifier:** 34b

**Description:** Imports include transport via vessel and air

**Variables:** Port Code & Description, County, Annual Total Value (In Millions of U.S. Dollars), Vessel Data, Air Data, C.I.F Value

**Modifications:** City to County recoded using “City To County Recoding AS 2016.06.13”

**Year:** 2015

**Data Release Schedule:** Monthly


**Notes:** “For imports, the value reported is the U.S. Customs and Border Protection appraised value of merchandise; generally, the price paid for merchandise for export to the United States. Import duties, freight, insurance, and other charges incurred in bringing merchandise to the United States are excluded.” ([http://www.census.gov/foreign-trade/reference/guides/tradestatsinfo.html](http://www.census.gov/foreign-trade/reference/guides/tradestatsinfo.html))

**Year:** 2016


**Year:** 2017


**Year:** 2018

3.4 **Number of non-stop international destinations from NC airports**

**Variables:** County, FIPS, Airport Name, Total, Destination, Destination Country, Notes

**Modifications:** City to County recoded using “City To County Recoding AS 2016.06.13”

**Year:** Current as of March 21, 2018

**Sources:**

**Year:** Current as of June 26, 2020 (before COVID-19)

**Sources:**


3.5a **Number of international passengers departing from NC airports**

**Variables:** Airport, Number of International Passengers

**Years:** 2002 - 2015
Data Release Schedule: Annually (broken down by month)

Year: 2016

Years: 2017 - 2019

3.5b Number of international passengers arriving to NC airports
Variables: Airport, Number of International Passengers
Years: 2002 - 2015
Data Release Schedule: Annually (broken down by month)

Year: 2016

Years: 2017- 2020 March

4 GLOBAL ECONOMIC DEVELOPMENT
Optimize global economic development opportunities through concerted efforts both inside and outside NC

4.1 Foreign direct investment (FDI) in NC
Variables: Location, First Year Expenditures, Planned Total Expenditures
Years: 2014-2015
Data Release Schedule: Annually
Notes: To get to specific table: Investment Expenditures > U.S. State by Type of Investment > Year > All Types of Investment > North Carolina. “The BEA’s numbers come from mandatory surveys they do with corporations where a foreign entity/individual owns 10% or more of the corporation’s voting securities. You can find more information on their methodology here. Foreign direct investment can come – for big projects
– over multiple years. The first year number is reporting actual spending for that year. BEA separates that from planned spending (spending to be done in ALL years). This way of reporting FDI is a different than what other sources use. Many sources (including EDPNC and FDI Markets) count all planned FDI for a project at once. So if a project had FDI for $100M, but $50M of that was coming in 2014, BEA would report $50M for that year under first year expenditures. But other sources would just count all the FDI planned ($100M at the time the announcement was made – and what BEA calls planned total expenditures).” – Jamie McCall

**Years:** 2015 – 2016, reported under 2016  

**Years:** 2017 – 2018  

### 4.1a Top countries investing in NC

**Description:** Ranked by total capital investment 2007-2016  
**Variables:** Location, Value of Investment  
**Years:** 2007-2016, reported under 2017  

### 4.1b Jobs added by top investing countries in NC

**Description:** Ranked by total capital investment 2007-2016  
**Variables:** Location, Number of Jobs Added  
**Years:** 2007-2016, reported under 2017  

### 4.1c Jobs added by top investing countries in NC

**Description:** Ranked by total number of jobs committed through foreign direct investment projects 2007-2016  
**Variables:** Industry, Number of Jobs Added  
**Years:** 2007-2016, reported under 2017  

### 4.1d Top foreign direct investment (FDI) industries in NC

**Description:** Ranked by total capital investment 2007-2016  
**Variables:** Industry, Value of Investment  
**Years:** 2007-2016, reported under 2017  
4.2 Foreign direct investment (FDI) employment in NC

**Variables:** Employment of Majority-Owned U.S. Affiliates, State by Country of UBO; Employment of Majority-Owned U.S. Affiliates, State by Industry of Affiliate

**Years:** 2007-2017

**Data Release Schedule:** Annually


**Notes:** Document: "Employment by State and Country 2007-2017" Ultimate Beneficial Owner (UBO)

BEA Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.2a Foreign direct investment (FDI) employment in the United States

**Variables:** Employment of Majority-Owned U.S. Affiliates, State by Country of UBO, POPESTIMATE2010-POPESTIMATE2017

**Modifications:** FDI jobs per million inhabitants was calculated to normalize values across states. Yearly population estimates were sourced from the United States Census Bureau.

**Years:** 2010-2017

**Data Release Schedule:** Annually


**Notes:** Document: "Employment by State and Country 2007-2017" Ultimate Beneficial Owner (UBO)

BEA Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.3 NC's rank among US states for employment by foreign investors

**Variables:** Year, Location, Industry, Rank

**Modifications:** Data sorted by “All Industries: Total Employment” to determine rankings

**Years:** 2007-2017

**Data Release Schedule:** Annually


**Notes:** Document: "Employment by State and Industry 2007-2017"

Definition of FDI - Foreign direct investment in the United States (inward direct investment) is ownership by a foreign investor of at least 10 percent of a U.S. business.

4.4 US jobs supported by goods exports from NC

**Years:** 2002-2016

4.5 Number of companies exporting internationally from NC

Year: 2013


Year: 2014


Year: 2015


Year: 2016


4.6 Value of total exports of merchandise from NC, and by selected metropolitan area

Years: 2014-2018


Notes: To get to “Value of total exports of merchandise from NC” table: Select “Global Patterns of a State’s exports”. Then, under State/US region select “Individual States”under Trade Partner select“Geographic Regions”, “World”, under Product select “NAICS”, and under Table Display, select “2014-2019”, then click “Go”. Look for “North Carolina” in the table.

To get to “Value of total exports of merchandise from NC by metro area” table: Select “Chart Report” for Exports by Metropolitan Area, then select “2014 (Full year)” to “2018 (Full year)” and click “Update”.

4.7 NC's top 5 export industries

Year: 2014-2019


Notes: To get to a specific table: Select “Export Product Profile to a Selected Market”. Then, under State/US region select “Individual States”, “North Carolina”, under Trade Partner select“Geographic Regions”, “World”, under Product select “NAICS”, “3 digit level”, and under Table Display, select “2014-2019”, then click “Go”.

4.8 Value amount spent in NC tourism

Year: 2015
4.9 Number of supported jobs from tourism

Year: 2015-2016

Year: 2017-2018

Year: 2019

4.10 Number of supported businesses from tourism

Year: 2019

4.11 Number of global employers who have operations in NC

Year: 2013

Notes: Original data was retrieved from BEA’s Survey. Under “Part I: All Affiliates” > “Selected Data” click to download “Tables A1-A9” Excel. Then, navigate to the page that shows “Table I.A 9. Number of Affiliates With
Assets, Sales, or Net Income (or Loss) Greater Than $20 Million That Have Employment, State by Country of UBO", and look under “North Carolina” row, “All countries” column.

**Year: 2014**  

**Year: 2015**  

**Year: 2016**  


**Notes:** Source of data was retrieved from OFII’s report and original data was retrieved from BEA’s Survey. Under “Part I: All Affiliates” > “Selected Data” click to download “Tables A1-A9” Excel. Then, navigate to the page that shows “Table I.A 9. Number of Affiliates With Assets, Sales, or Net Income (or Loss) Greater Than $20 Million That Have Employment, State by Country of UBO”, and look under “North Carolina” row, “All countries” column.

**Year: 2017**  


### 4.12 Number of companies headquartered in NC with a foreign parent
**Description:** Number of companies with headquarters (national or regional) in NC with a foreign parent  
**Variables:** Company Name, Address, City, Corporate Parent Name, Country Name  
**Year:** 2020  
**Source:** Dun and Bradstreet, FDI Markets. Personal communication, 2020.  
**Notes:** We used D&B to start. However, it was supplemented with a FDI Markets list of corporate HQ announcements in the past two years. Duplicates were removed -- most have corporate holding companies at the same location as their NC HQ. There may be companies included that have moved since the D&B pull.

### 4.13 Value amount of agricultural exports from NC
**Variables:** Rank, Value  
**Years:** 2004-2019, reported biannually
**Data Release Schedule:** Annually


**Notes:** Filtered by “North Carolina,” “World Total”, “Agricultural Total,” “BICO-HS6,” “2004-2019”

Value of total agricultural exports from NC

### 4.14 Number of private industry firms

**Variables:** Year, Annual Establishments, Annual Average Employment, Annual Average Weekly Wage, Annual Average Employment Location Quotient, Annual Average Weekly Wage Location Quotient, Annual Average Employment Change Over the Year, Annual Average Employment % Change Over the Year, Annual Average Weekly Wage Change Over the Year, Annual Average Weekly Wage % Change Over the Year

**Years:** 2012-2018

**Data Release Schedule:** Annually


**Notes:** “Private sector firms include incorporated for-profit firms and nonprofit firms, but do not include unincorporated private sector firms or public sector (government) establishments. The self-employed and firms with no employees are also not included”

**Years:** 2019

**Data Release Schedule:** Annually


**Notes:** “Private sector firms include incorporated for-profit firms and nonprofit firms, but do not include unincorporated private sector firms or public sector (government) establishments. The self-employed and firms with no employees are also not included”

### 4.15 Number of certified international documents authenticated by the NC Department of the Secretary of State

**Description:** Documents are authenticated by issuing apostilles, authentications and certificates for a variety of NC documents, including: business documents such as articles of incorporation, corporate bylaws, certificates of merger, powers of attorney, patent applications, and trademarks. NC Department of the Secretary of State issued other international authentications such as diplomas, school transcripts, deeds, assignments of interest, birth certificates, marriage certificates and many others.

**Year:** July 2014-June 2015, reported under 2014

**Source:** Elaine F. Marshall, North Carolina Secretary of State. Personal communication, July 1, 2014 - June 30, 2015.

**Notes:** “There are basically two types of certifications: Apostille - An "apostille" is a form of authentication issued to documents for use in countries that participate in the 1961 Hague Convention. A list of countries that accept apostilles is provided by the Hague Conference on International Law and is available here (https://www.hcch.net/en/instruments/conventions/authorities1/?cid=41). Authentication or Certification - If the country of intended use does not participate in the Hague Convention, documents being sent to that country can be "authenticated" or "certified".”
Years: 2014-2016

Years: 2017-2019

4.16 Top 25 NC Export Countries Based on Dollar Value

Description: Based on 2015 dollar value
Years: 2012-2015
Data Release Schedule: Annually

Description: Based on 2016-2019 dollar value
Years: 2016-2019
Data Release Schedule: Annually

4.17 Number of employed science, engineering, health labor doctorates

Description: Individuals who have college degrees in science & engineering (S&E) or related fields or who are working in S&E and S&E-related occupations.
Variables: Year, Characteristic, Location (Value, Rank)
Data Release Schedule: Every 2-3 years

Year: 2017

4.18 Total research and development spending patterns

Description: The National Science Foundation (NSF) tracks the R&D spending patterns of all the major performers in the overall U.S. R&D system: businesses, the intramural R&D activities of federal agencies, federally funded research and development centers (FFRDCs), universities and colleges, and other nonprofit organizations and reports on this number for each state and the nation.
Variables: Year, Characteristic, Location (Value, Rank)
Years: 2003-2012
5 CROSS CULTURAL COMPETENCE

Ensure that NC citizens are educated and prepared to succeed and thrive in a global community and marketplace

5.1 Number of international students at higher education institutions

**Description:** Undergraduate and graduate students

**Variables:** Unit ID, Institution, State, Carnegie 2010 Type, Total International, County, FIPS

**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"

**Year:** 2014 - 2015, reported under 2015


**Year:** 2015 - 2016, reported under 2016


**Year:** 2016 – 2017, reported under 2017


5.2 Number of NC study abroad students from higher education

**Description:** Number of students at institutions with 10 or more US study abroad students

**Variables:** Unit ID, Institution, State, Institution Type, Total Study Abroad, County, FIPS

**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"

**Year:** 2013 - 2014, reported under 2014


**Year:** 2014 – 2015, reported under 2015


**Year:** 2015 – 2016, reported under 2016

5.4a Number of K–12 students enrolled in world languages

Description: Number of K–12 students enrolled in foreign language(s) at public schools

Variables: Year, CourseCode, Course Description, Elementary No. of Classes, Elementary No. of Students, Middle No. of Classes, Middle No. of Students, High No. of Classes, High No. of Students

Modifications:
Year: Academic year 2012-2013


Notes: Selected Course Code: "0000-1999 Languages", then manually filtered to only include foreign language courses. ESL courses were excluded.

5.4b K-12 foreign language enrollment

Year: 2014 - 2015


5.5 Number of students enrolled in advanced placement foreign languages

Variables: Year, Course Code, Course Description, Academic Level, Sex, Ethnicity

Year: 2002-2013


Notes: Used filters "Languages" and "Advanced Placement", then excluded AP English courses (course codes 1023, 1024, 1033-1036)

5.6 Number of K-12 students enrolled in ESL

Variables: Year, CourseCode, Course Description, Elementary No. of Classes, Elementary No. of Students, Middle No. of Classes, Middle No. of Students, High No. of Classes, High No. of Students

Year: 2003-2015


Notes: Search by Course Description "English As A Second Language"

5.7 Number of community college students enrolled in ESL

Year: Academic Year 2015-2016


Year: Academic Year 2016-2017, reported under 2017

Source: Ashley Sieman, NC Community College System. Personal communication, August 24, 2017.

5.9a Number of schools globally badged/certified

Description: NC State Board of Education recognition for NC Public Schools. Designated November 2015

Year: 2015-2016

Source: Personal Communication


Year: 2016 – 2017, reported under 2017

Year: 2017–2018, reported under 2018  

Year: 2019  

5.9b  **Number of districts globally badged/certified**  
Description: NC State Board of Education recognition for NC Public Schools. Designated November 2015  
Year: 2015-2016  
Source: Personal Communication  

Year: 2016 – 2017, reported under 2017  

Year: 2017 – 2018, reported under 2018  

Year: 2019  

5.10  **Number of sister city relationships**  
Variables: Number of sister city relationships, Sister Cities  
Modifications: City to County recoded using “City To County Recoding AS 2016.06.13”  
Year: Current as of March 23, 2018  

5.11  **Number and country of origin for UNC international students by academic level**  
Variables: County, FIPS, Number, Country  
Modifications: University to County recoded  
Year: 2015  
Notes: “Unknown” and “Other Places” categories not included on the Global Level only, so values reported may not sum to totals reported on County and State Level. These “Unknown” and “Other Places” categories were excluded on global map within dashboard.

Year: 2015-2016, reported under 2016  
5.12 Number of UNC students who participate in study abroad or exchange programs

Variables: Institution, County, FIPS, Study Abroad Total Numbers, Study Abroad, Numbers by Gender and Ethnicity, While Abroad

Modifications: University to County recoded using "Recoding Universities AS 2016.06.13"

Year: Fall 2012- Summer 2013, reported under 2013


Year: 2015-2016, reported under 2016


5.13 Financial contribution of international students

Variables: County, Top Higher Education Institutions, Dollars, Supporting Jobs

Modifications: University to County recorded using "Recoding Universities AS 2016.06.13"

Year: 2012-2013 Academic Year, reported under 2013


Notes: Values reported slightly differ from source’s summary reported (p.1) most likely attributed to rounding errors. "The economic contributions of international students are in addition to the immeasurable academic and cultural value these students bring to our campuses and local communities. For a more detailed analysis, access NAFSA’s International Student Economic Value Tool at nafsa.org/economic value."

Year: 2013-2014 Academic Year, reported under 2014


Year: 2014-2015 Academic Year, reported under 2015


Year: 2015 – 2016 Academic Year, reported under 2016


Year: 2016 – 2017 Academic Year, reported under 2017


Year: 2017 – 2018 Academic Year, reported under 2018


Year: 2018 – 2019 Academic Year, reported under 2019

5.14 Number of immersion language programs in public schools (K-12)

**Description:** Dual language/immersion programs help students become proficient in a target language, in addition to English. These students master subject content from other disciplines, using the target language or both languages.

**Variables:** County; FIPS; Education District; Name of District, Charter School, or Independent School; LEA Code; Contact Information

**Modifications:** City to County recoded using “City To County Recoding AS 2016.06.13”


**Source:** North Carolina Department of Public Instruction. (n.d). *North Carolina dual language/immersion (DL/I) program directory* [Data file]. Retrieved June 1, 2016, from https://docs.google.com/spreadsheets/d/1IsK82ybITzOPZNoKDB3CVQBbtYDoBwBtOaqrJTN0EU/edit#gid=0

**Note:** Additional information available at: http://ncdlprograms.ncdpi.wikispaces.net/

Year: Current as of April 9, 2018

**Source:** North Carolina Department of Public Instruction. (n.d). *North Carolina dual language/immersion (DL/I) program directory* [Data file]. Retrieved July 27, 2017, from https://docs.google.com/spreadsheets/d/1IsK82ybITzOPZNoKDB3CVQBbtYDoBwBtOaqrJTN0EU/edit#gid=0

Year: Current as of June 28, 2020, reported as 2019

**Source:** North Carolina Department of Public Instruction. (n.d). *North Carolina dual language/immersion (DL/I) program directory* [Data file]. Retrieved June 28, 2020, from https://docs.google.com/spreadsheets/d/1IsK82ybITzOPZNoKDB3CVQBbtYDoBwBtOaqrJTN0EU/edit#gid=0

6 DEMOGRAPHICS

6.1a Place of birth for foreign born population

**Variables:** Place of Birth, United States, North Carolina, All North Carolina Counties

**Modifications:** Burma reported as Myanmar

**Years:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually


**Notes:** “Other Categories” i.e. “Other Northern European” were excluded from Global Level only, as they cannot be matched to a single country. Therefore, values reported will not add up to “Totals” reported.

**Years:** 2011 – 2015 ACS 5-Year Estimates


**Years:** 2012 – 2016 ACS 5-Year Estimates

**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.). *B05006 Place of birth for the foreign-born population in the United States* [Data file]. Retrieved April 2, 2018,
6.1b Place of birth for foreign born population – percentage per county

Variables: Place of Birth, North Carolina, All North Carolina Counties
Modifications: Percentage was calculated by dividing value of each place of birth by total county population
Years: 2011-2015 ACS 5-Year Estimates
B05006 Place of birth for the foreign-born population in the United States [Data file]. Retrieved June 2, 2017, from
Notes: “Other Categories” i.e. “Other Northern European” were excluded from Global Level only, as they cannot be matched to a single country.

Years: 2012 – 2016 ACS 5-Year Estimates
B05006 Place of birth for the foreign-born population in the United States [Data file]. Retrieved April 2, 2018, from

Years: 2014 – 2018 ACS 5-Year Estimates
B05006 Place of birth for the foreign-born population in the United States [Data file]. Retrieved June 22, 2020, from

6.2 Hispanic or Latino origin by country of origin

Variables: Location
Years: 2010-2014 ACS 5-Year Estimates
Data Release Schedule: Annually
B03001 Hispanic or Latino origin by specific origin [Data file]. Retrieved June 1, 2016, from
Notes: “Other Categories” i.e. “Other Central American” were excluded from Global Level only, as they cannot be matched to a single country. Therefore, values reported will not add up to “Totals” reported.

Years: 2011-2015 ACS 5-Year Estimates
B03001 Hispanic or Latino origin by specific origin [Data file]. Retrieved June 1, 2017, from
6.3 Number of residents born in NC

**Description:** Born in state of residence (NC)

**Variables:** Location

**Years:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually

**Source:** United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.).
*B05002 Place of birth by nativity and citizenship status* [Data file]. Retrieved June 1, 2016, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B05002/0100000US|0400000US37|0400000US37.05000

**Years:** 2011-2015 5-Year Estimates

**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).

**Years:** 2012 – 2016 5-Year Estimates

**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.).

**Years:** 2014 – 2018 5-Year Estimates

**Source:** United States Census Bureau, 2014-2018 American Community Survey 5-Year Estimates. (n.d.).

6.4 Ancestry - reported by country of ancestry

**Variables:** Country

**Years:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually

**Source:** United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.).
*B04006 People reporting ancestry* [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_SYR_B04006&prodType=table
Notes: Some categories were excluded as they cannot be matched up to a single country (e.g. Alsatian) and therefore values reported will not add up to “Totals” reported.

**Years: 2011-2015 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).  
*B04006 People reporting ancestry* [Data file]. Retrieved July 24, 2017, from  

**Years: 2012 – 2016 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.).  
*B04006 People reporting ancestry* [Data file]. Retrieved April 9, 2018, from  

**Years: 2014 – 2018 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2014-2018 American Community Survey 5-Year Estimates. (n.d.).  
*B04006 People reporting ancestry* [Data file]. Retrieved June 22, 2020, from  

### 6.5a Languages spoken at home - only English

**Variables:** Language, Location  
**Years:** 2010-2014 ACS 5-Year Estimates  
**Data Release Schedule:** Annually  
**Source:** United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from  

**Years: 2011-2015 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from  

**Years: 2012 – 2016 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved March 15, 2018, from  

**Years: 2014 – 2018 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2014-2018 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved June 22, 2020, from  

### 6.5b Languages spoken at home - Spanish or Spanish Creole

**Variables:** Language, Location  
**Years:** 2010-2014 ACS 5-Year Estimates  
**Source:** United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved June 1, 2016, from  

**Years: 2011-2015 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved July 1, 2017, from  

**Years: 2012 – 2016 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved March 15, 2018, from  

**Years: 2014 – 2018 ACS 5-Year Estimates**  
**Source:** United States Census Bureau, 2014-2018 American Community Survey 5-Year Estimates. (n.d.).  
*S1601 Language spoken at home* [Data file]. Retrieved June 22, 2020, from  
Data Release Schedule: Annually

Years: 2011-2015 ACS 5-Year Estimates

Years: 2012 – 2016 ACS 5-Year Estimates

Years: 2014 – 2018 ACS 5-Year Estimates

6.5c Languages spoken at home - Other Indo-European languages

Variables: Language, Location
Years: 2010-2014 ACS 5-Year Estimates
Data Release Schedule: Annually

Years: 2011-2015 ACS 5-Year Estimates

Years: 2012 – 2016 ACS 5-Year Estimates

Years: 2014 – 2018 ACS 5-Year Estimates
6.5d  Languages spoken at home - Asian and Pacific Island languages

**Variables:** Language, Location  
**Years:** 2010-2014 ACS 5-Year Estimates  
**Data Release Schedule:** Annually  

**Years:** 2011-2015 ACS 5-Year Estimates  

**Years:** 2012 – 2016 ACS 5-Year Estimates  

**Years:** 2014 – 2018 ACS 5-Year Estimates  

6.5e  Languages spoken at home - other languages

**Variables:** Language, Location  
**Years:** 2010-2014 ACS 5-Year Estimates  
**Data Release Schedule:** Annually  

**Years:** 2011-2015 ACS 5-Year Estimates  

**Years:** 2012 – 2016 ACS 5-Year Estimates  

**Years:** 2014 – 2018 ACS 5-Year Estimates  
6.6 Unemployment rate

Variables: Unemployment Rate
Year: 2015
Data Release Schedule: Monthly

Year: 2016

Year: 2017 - May 2019

6.7 Median household income

Description: In the past 12 months, in 2014 Inflation-adjusted dollars
Variables: Location
Years: 2010-2014 ACS 5-Year Estimates
Data Release Schedule: Annually

Years: 2011-2015 5-Year Estimates

Years: 2012 – 2016 ACS 5-Year Estimates

Years: 2014 – 2018 ACS 5-Year Estimates
6.8 Percent of individuals who moved to NC from abroad

**Description:** Percent of respective population

**Variables:** Location, Age, Sex, Race, Nativity, Marital Status, Educational Attainment, Income, Poverty Status, Housing Tenure

**Years:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually


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**Years:** 2011-2015 5-Year Estimates


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**Years:** 2012 – 2016 ACS 5-Year Estimates


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**Years:** 2014 – 2018 ACS 5-Year Estimates


6.9 Percent of high school graduation

**Description:** 4-year cohort graduation percentage

**Variables:** Year, LEA, County, FIPS, LEA Name, 4 Year Cohort Students, 4 Year Cohort Graduation Rates, 5 Year Cohort Students, 5 Year Cohort Graduation Rates, Grade 7-12 Duplicated Dropout Students, Grade 7-12 Duplicated Dropout Rates, Grade 9-12 Duplicated Dropout Students, Grade 9-12 Duplicated Dropout Rates

**Modifications:** City to County recoded using "City To County Recoding AS 2016.06.13"

**Year:** 2011-2012 Academic Year, reported under 2012

**Data Release Schedule:** Annually

**Source:** North Carolina Department of Public Instruction. (n.d). Table 15 -Public school dropout and cohort graduation data [Data file]. Retrieved June 1, 2016, from http://apps.schools.nc.gov/pls/apex/f?p=1:19:0::NO:::

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**Years:** 2013-2018


6.10a Male students enrolled in K-12 public schools

**Variables:** Sex, Enrollment, Location

**Modifications:** FIPS codes added
Data Release Schedule: Annually
Years: 2010-2014 ACS 5-Year Estimates
B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B14002/0100000US|0400000US37|0400000US37_05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates
B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over [Data file]. Retrieved July 22, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B14002/0400000US37|0400000US37.05000

Years: 2012 – 2016 ACS 5-Year Estimates

Years: 2014 – 2018 ACS 5-Year Estimates

6.10b Female students enrolled in K-12 public schools
Variables: Sex, Enrollment, Location
Modifications: FIPS codes added
Years: 2010-2014 ACS 5-Year Estimates
Data Release Schedule: Annually
B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over [Data file]. Retrieved June 1, 2016, from http://factfinder.census.gov/bkmk/table/1.0/en/ACS/14_5YR/B14002/0100000US|0400000US37|0400000US37_05000|0600000US1901593291

Years: 2011-2015 ACS 5-Year Estimates
B14002 Sex by school enrollment by level of school by type of school for the population 3 years and over [Data file]. Retrieved July 22, 2017, from https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B14002/0400000US37|0400000US37.05000

Years: 2012 – 2016 ACS 5-Year Estimates

Years: 2014 – 2018 ACS 5-Year Estimates
6.10c Race and gender of students enrolled in NC public schools

**Variables:** Year, LEA, LEA Name, FIPS, County, Race

**Modifications:** City to County recoded using "City To County Recoding AS 2016.06.13"

**Year:** 2015

**Data Release Schedule:** Annually

**Source:** North Carolina Department of Public Instruction. (n.d). *Table 10 - Pupils in membership by race and sex starting from year 2011* [Data file]. Retrieved June 1, 2016, from http://apps.schools.nc.gov/pls/apex/f?p=1:216:0::NO:::

**Year:** 2016


**Year:** 2017


**Year:** 2018 - 2020


6.11 Educational attainment

**Description:** Population 25 years and over with the following educational attainments: High school graduate (includes equivalency); Some college/associate’s degree; or Bachelor’s degree or higher

**Variables:** Location, Sex, Educational Attainment, Age, Poverty Rate, Median Earnings

**Years:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually


**Years:** 2011-2015 ACS 5-Year Estimates


**Years:** 2012 – 2016 ACS 5-Year Estimates

### 6.12 Number of passports issued to NC residents

**Years:** 2009-2015

**Data Release Schedule:** Annually


**Year:** 2016


**Year:** 2017


**Year:** 2018 - 2019


### 6.13 Number of naturalized US citizens in NC

**Variables:** Place of Birth

**Year:** 2010-2014 ACS 5-Year Estimates

**Data Release Schedule:** Annually


**Year:** 2011-2015 ACS 5-Year Estimates


**Year:** 2012 – 2016 5-Year Estimates


**Year:** 2014 – 2018 5-Year Estimates
6.14 Population

Variables: Population by county
Year: 2010-2014 ACS 5-Year Estimates
Data Release Schedule: Annually
B01003 Total population [Data file]. Retrieved June 1, 2017, from
https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B01003/0400000US37|0400000US37.05000

Year: 2011-2015 5-Year Estimates
B01003 Total population [Data file]. Retrieved July 22, 2017, from
https://factfinder.census.gov/bkmk/table/1.0/en/ACS/15_5YR/B01003/0400000US37|0400000US37.05000

Year: 2012 – 2016 5-Year Estimates
B01003 Total population [Data file]. Retrieved April 2, 2018, from
https://factfinder.census.gov/bkmk/table/1.0/en/ACS/16_5YR/B01003/0400000US37|0400000US37.05000

Year: 2014 – 2018 5-Year Estimates
B01003 Total population [Data file]. Retrieved June 22, 2020, from

6.15 Percentage of residents born in NC

Variables: Location
Modifications: Percentage was calculated by dividing in state born population by total county population
Years: 2011-2015 American Community Survey 5-Year Estimates
B05002 Place of birth by nativity and citizenship status [Data file]. Retrieved June 1, 2017, from

Year: 2011-2015 5-Year Estimates
B05002 Place of birth by nativity and citizenship status [Data file]. Retrieved June 1, 2017, from

Year: 2012 – 2016 5-Year Estimates
B05002 Place of birth by nativity and citizenship status [Data file]. Retrieved April 3, 2018, from

Year: 2012 – 2016 5-Year Estimates
B01003 Total population [Data file]. Retrieved April 2, 2018, from
https://factfinder.census.gov/bkmk/table/1.0/en/ACS/16_5YR/B01003/0400000US37|0400000US37.05000

Years: 2014 – 2018 5-Year Estimates
B05002 Place of birth by nativity and citizenship status [Data file]. Retrieved June 22, 2020, from

Year: 2014 – 2018 5-Year Estimates
B01003 Total population [Data file]. Retrieved June 22, 2020, from

7 Recoding of Data

7.1 City to County Recoding
Cities that crossed into two or more counties were attributed to the county with the greatest 2014 population as defined by the Census. For example, the city of Burlington crosses into Alamance and Guilford County with 51,216 people who reside in Alamance and 703 people in Guilford; therefore, Burlington was recoded as Alamance county.

7.2 University to County Coding
Universities were coded to the county in which they reside, for example, University of North Carolina at Chapel Hill was recoded to Orange County.