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 updated on July 5, 2018. 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.

Update: July 5, 2018

North Carolina’s Global Engagement Snapshot Data Dashboard:
www.goglobalnc.org/snapshot

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For additional references and background information see the North Carolina Blueprint for Global Engagement 2015 publication.
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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

**Source:** Go Global NC. (2015). *Number of leaders involved with the blueprint* [Data file]. Retrieved June 1, 2016.

**Year:** 2017


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 Summit participants

**Variables:** Org, # of Individuals, Definition

**Year:** 2015

**Source:** Go Global NC. (2015). *Number of individuals endorsing/supporting the blueprint* [Data file]. Retrieved June 1, 2016.

**Year:** 2017


1.3 Number of Coalition for Global Competitiveness members

**Description:** Number of members participating on the Coalition for Global Competitiveness

**Year:** 2015; 2016


2 GLOBAL BRAND IDENTITY

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

2.1 Number of views on GlobalNCPlan.org

**Description:** Number of unique views on GoGlobalNCPlan.Org from November 9, 2015 to January 4, 2016.

**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 GoGlobalNCPlan.Org (Snapshot and Blueprint) from October 2016 to June 2017

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Year: October 2016 – June 2017
Notes: Reported under 2017. Value reported is number of visitors, as opposed to number of views.

### 2.2 Number of media articles viewed and shared via YouTube, Facebook and Twitter

**Description:** Number of global engagement media articles viewed, shared, and liked on YouTube, Facebook, and Twitter from December 16, 2015 to February 1, 2016.
**Variables:** YouTube, Facebook, Twitter
**Year:** As of February 2016, reported under 2015
**Source:** Go Global NC. (n.d.). [Number of Facebook, Twitter, YouTube views and shares as of February 2016]. Retrieved June 1, 2016.
**Notes:** Reported under Year 2015, value is sum of YouTube (Views and Shares), Twitter (Impressions and Engagements) and Facebook (Reached, Likes, Shares, Comments).

### 2.3 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 2017
**Source:** Dun and Bradstreet, FDI Markets, Community Investment Report, EDPNC Internal Databases

### 2.4 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.

### 2.5 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.

2.6 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, Count

Year: September 2016 – July 2017

2.7 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

2.8 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

2.9 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

3 GLOBAL INFRASTRUCTURE AND LOGISTICS

Develop and maintain infrastructure and logistics capabilities to support global opportunities

3.1 Households with broadband Internet access (%)

Description: Percent of households with internet access (excluding dial-up access)
Variables: Type of Broadband Access, Location
Modifications: Percentage calculated by dividing “Households with an internet subscription” (excluding households with dial-up access) plus “Households with Internet access without a subscription” by “Total Households”

Year: 2014
Data Release Schedule: Annually

Year: 2015

Year: 2016

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.

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"

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.

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.

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)

Year: 2016

Year: 2017

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)

**Year:** 2016  

**Year:** 2017  

### 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  

### 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  

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  

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  

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 2016


### 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 2016


### 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 2016


### 4.2 Foreign direct investment (FDI) employment in NC


Years: 2007-2015

Data Release Schedule: Annually


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


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

Year: 2015

Data Release Schedule: Annually


**Years:** 2007-2014  
**Data Release Schedule:** Annually  


**Notes:** Document: "Employment by State and Country 2007-2014" 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

<table>
<thead>
<tr>
<th>Variables</th>
<th>Year, Location, Industry, Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modifications</td>
<td>Data sorted by “All Industries: Total Employment” to determine rankings</td>
</tr>
<tr>
<td><strong>Years:</strong></td>
<td>2007-2015</td>
</tr>
<tr>
<td><strong>Data Release Schedule:</strong></td>
<td>Annually</td>
</tr>
</tbody>
</table>
| **Notes:** | Document: "Employment by State and Industry 2007-2015"  
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

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
</tr>
</thead>
</table>

### 4.5 Number of companies exporting internationally from NC

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
</tr>
</thead>
</table>
Year: 2014

### 4.6 Value of total exports of merchandise from NC

#### Year: 2015

#### Year: 2016

### 4.7 NC's top 5 export industries

Variables: Industry, Value of Exports

#### Year: 2014

#### Year: 2015

### 4.8 Value amount spent in NC tourism

#### Year: 2015

#### Year: 2016

### 4.9 Number of supported jobs from tourism

#### Year: 2015

#### Year: 2016
### 4.10 Number of supported businesses from tourism

**Year:** 2015  

### 4.11 Number of global employers who have operations in NC

**Year:** 2013  

**Year:** 2014  

### 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:** 2015  
**Source:** Dun and Bradstreet, FDI Markets. Personal communication, 2016.  
**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.

**Year:** 2016  
**Source:** Dun and Bradstreet, FDI Markets. Personal communication, 2017.

### 4.13 Value amount of agricultural exports from NC

**Variables:** Rank, Value  
**Years:** 2004-2016  
**Data Release Schedule:** Annually  
**Notes:** Filtered by "North Carolina," "Agricultural Total," "BICO-HS6," “2004-2016” Value of total agricultural exports from NC

**Year:** 2016  

**Year:** 2017  

### 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:** 2012-2016  
**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

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".”

Year: July 1, 2015 - June 30, 2016, reported under 2015

Year: July 1 2016 – June 30 2017, reported under 2016

4.16 Top 25 NC Export Countries Based on 2015 Dollar Value

Description: Based on 2015 dollar value


Years: 2012-2015

Data Release Schedule: Annually


Year: 2016

Year: 2017
**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  

### 5.3 Degrees awarded to international students at UNC system colleges and community colleges

**Variables:** County, Institution, Total, Academic Level  
**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"  
**Year:** 2013  
Year: 2015-2016, reported under 2016  

### 5.4 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.

### 5.5 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

**Year:** Academic Year 2015-2016  
**Source:** Terri Manning and Kristen Corbell, NC Community College System. Personal communication, May 17, 2016.  

**Year:** Academic Year 2016-2017, reported under 2017  
**Source:** Ashley Sieman, NC Community College System. Personal communication, August 24, 2017.

### 5.7 Number of community college 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:** 2004-2013  
**Notes:** Search by Course Description "English As A Second Language"

### 5.8 Number of students enrolled in UNC’s global certificate initiative

**Description:** A certificate program that recognizes student participation in courses, co-curricular activities and/or study abroad experiences that support a campus-identified set of competencies relevant to global learning.  
**Variables:** Campus, County, FIPS, Current # of Certificate Graduates/Year, Target Future # of Certificate Graduates/Year, How would it be recognized?, Marketing Strategies  
**Modifications:** University to County recoded using "Recoding Universities AS 2016.06.13"  
**Year:** 2015  
### 5.9 Number of schools and districts globally badged/certified

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

**Year:** 2015-2016

**Source:** Personal Communication

**Notes:** Designated November 2015 (criteria adopted by State Board in January 2015) next designation to occur November 2016. Additional information: [http://www.ncpublicschools.org/globaled/actions/item4-2](http://www.ncpublicschools.org/globaled/actions/item4-2)

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


**Year:** 2017 – 2018, reported under 2018

**Source:** NC Department of Public Instruction. Retrieved March 23, 2018, from [http://gled.ncdpi.wikispaces.net/School+and+District+Global-Ready+Designation](http://gled.ncdpi.wikispaces.net/School+and+District+Global-Ready+Designation)

### 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 & Number of UNC international students by county and 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 recoded using "Recoding Universities AS 2016.06.13"
Year: 2014-2015 Academic Year, reported under 2015
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 atnafsa.org/economic value."

Year: 2015 – 2016 Academic Year, reported under 2016

Year: 2016 – 2017 Academic Year, reported under 2017

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/1IsK82ybiTzOPZNoKDB3CVQBlYDoBwBtOaqrjTNOEU/edit#gid=0
Note: Additional information available at: http://ncdliprograms.ncdpi.wikispaces.net/

Year: Current as of April 9, 2018

6 COLLABORATION & RESEARCH

Encourage business, academic, public and private sector collaboration, and research with domestic & international partners

6.1 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


**6.2 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


**6.3a 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:** 2015-2016, reported under 2016; 2016-2017, reported under 2017


**6.3b 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:** 2015-2016, reported under 2016; 2016-2017, reported under 2017

# DEMOGRAPHICS

## 7.1a 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  
**Source:** United States Census Bureau, 2010-2014 American Community Survey 5-Year Estimates. (n.d.).  
**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  
**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).  

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

## 7.1b 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  
**Source:** United States Census Bureau, 2011-2015 American Community Survey 5-Year Estimates. (n.d.).  
**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  
**Source:** United States Census Bureau, 2012-2016 American Community Survey 5-Year Estimates. (n.d.).  
7.2 Hispanic or Latino origin by country of origin

**Variables:** Location

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

**Data Release Schedule:** Annually


**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


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


7.3 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


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


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


7.4 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
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

Years: 2012 – 2016 ACS 5-Year Estimates

7.5a Languages spoken at home - only English

| 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 |

7.5b Languages spoken at home - Spanish or Spanish Creole

| 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 |
### 7.5c Languages spoken at home - Other Indo-European languages

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

### 7.5d 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

### 7.5e 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  

### 7.6 Unemployment rate

**Variables:** Unemployment Rate  
**Year:** January 2015 – December 2015  
**Data Release Schedule:** Monthly  

**Year:** 2016  

### 7.7 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  
**7.8 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  

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

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

**7.9 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  

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

**7.10a 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

Years: 2011-2015 ACS 5-Year Estimates

7.10b 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

Years: 2011-2015 ACS 5-Year Estimates

7.10c 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
7.11 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


7.12 Number of passports issued to NC residents

**Years:** 2009–2015

**Data Release Schedule:** Annually


**Year:** 2016


**Year:** 2017

### 7.13 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  

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

### 7.14 Population

**Variables:** Population by county  
**Year:** 2010-2014 ACS 5-Year Estimates  
**Data Release Schedule:** Annually  

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

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

### 7.15 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  
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

Years: 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

## 8 Recoding of Data

### 8.1 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.

### 8.2 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.